



←INSIZE→

MEASURING INSTRUMENTS

EFFECTIVE: JAN. 1ST, 2023 - APR. 30TH, 2023

PRICES EXCLUDING GST

Obtain information about our complete range of product from our website or general catalogue



PROMOTION

PRODUCT INDEX

1 DATA OUTPUT

PAGE 1-3



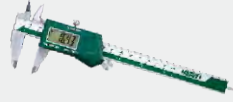
DATA TRANSMISSION SYSTEMS



DATA OUTPUT CABLES

2 CALIPERS

PAGE 4-21



CALIPERS



DEPTH BASE ATTACHMENTS



ACCESSORY SETS FOR DIGITAL CALIPERS

5 MICROMETERS

PAGE 29-39



HIGH PRECISION DIGITAL MICROMETERS/SNAP GAGES



OUTSIDE MICROMETERS



SPECIAL PURPOSE MICROMETERS



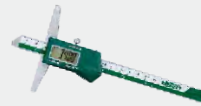
CARBON FIBER COMPARISON GAGES



SPECIAL PURPOSE CALIPERS

3 DEPTH MEASURING INSTRUMENTS

PAGE 21-25



DEPTH GAGES



DIAL DEPTH GAGES



DEPTH MICROMETERS

6 BORE DIAMETER, RADIUS MEASURING INSTRUMENTS

PAGE 40-48



THREE POINTS INTERNAL MICROMETERS



INSIDE MICROMETERS



TUBULAR INSIDE MICROMETERS

4 HEIGHT MEASURING INSTRUMENTS

PAGE 25-29



DIGITAL HEIGHT GAGES



HEIGHT GAGES



MINI DIGITAL HEIGHT GAGES

8 INDICATING MEASURING INSTRUMENTS

PAGE 66-71



INTERNAL/EXTERNAL CALIPER GAGES



THICKNESS GAGES



DIAL SNAP GAGES



BORE GAGES



BORE GAGE SETTERS



TELESCOPING GAGE SETS



RADIUS GAGES



DIGITAL RADIUS CALIPERS



CIRCUMFERENCE ROLLS



STEP AND GAP GAGES



KEYWAY DEPTH GAGES

PRODUCT INDEX

7 DIGITAL AND DIAL INDICATORS

PAGE 48-66



DIGITAL INDICATORS



DIAL INDICATORS



POINTS



LINEAR GAGES



DIAL TEST INDICATORS



DIAL TEST INDICATOR HOLDERS



MAGNETIC STANDS



DIAL INDICATOR STANDS



CONCENTRICITY GAGES



BENCH CENTERS

9 STANDARDS AND GAGE BLOCKS

PAGE 71-78



GAGE BLOCKS



CALIPER INSPECTION GAGE BLOCK AND RING GAGE SETS



MICROMETER INSPECTION GAGE BLOCK SETS



PIN GAGES



SETTING RINGS



PLAIN PLUG GAGES



THREAD RING GAGES



THREAD PLUG GAGES



MEASURING BALLS

10 ANGLE AND STRAIGHTNESS MEASURING INSTRUMENTS

PAGE 78-84



PROTRACTORS



UNIVERSAL PROTRACTORS



PERPENDICULARITY TESTERS



GRANITE SQUARES



SQUARES



STRAIGHT EDGES



MAGNALIUM STRAIGHT EDGES



OPTICAL FLATS

12 SET-UP TOOLS

PAGE 100-103



V-BLOCK SETS



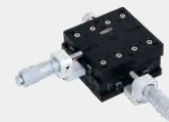
PARALLEL SQUARE SETS



PARALLEL SETS



ANGLE PLATE SETS



XY-AXIS STAGES



CENTERING INDICATORS



EDGE FINDERS



ZERO SETTERS



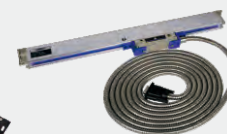
EDGE FINDERS FOR EDM

13 SCALES

PAGE 104-106



DIGITAL SCALES



LINEAR SCALES



DIGITAL READOUTS

PRODUCT INDEX

11 SIMPLE MEASURING TOOLS

PAGE 84-100



FEELER GAGES



PITCH GAGES



RADIUS GAGES



CHAMFER GAGES



TAPER SLOT GAGES



TAPER GAGES



TAPER BORE GAGES



WELDING GAGES



WIRE GAGES



DRILL POINT GAGES



INSIDE/OUTSIDE CALIPERS



DIVIDERS



MEASURING WHEELS



DIGITAL MEASURING WHEELS



STEEL RULES



COMBINATION SQUARE SETS



SCRIBING CALIPERS



SCRIBERS



PRECISION SCREWDRIVER SETS

17 MAGNIFIERS AND INSPECTION MIRRORS

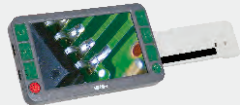
PAGE 130-133



TABLE MAGNIFIERS WITH ILLUMINATION



MAGNIFIERS



DIGITAL MAGNIFIERS



TELESCOPING INSPECTION MIRRORS



TELESCOPING MAGNETIC PICK-UP

14

PAGE 107-112



ROUGHNESS TESTERS



JIG SETS FOR CMM



TOOL PRESETTERS

15

PAGE 113-118



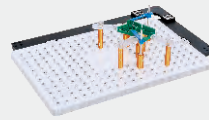
PROFILE PROJECTORS



QUICK MEASUREMENT SYSTEMS



VISION MEASURING SYSTEMS



JIG SETS FOR VISION MEASURING SYSTEM

16 MICROSCOPES

PAGE 119-129



TOOLMAKER MICROSCOPES



DIGITAL MICROSCOPES



MICROSCOPES



PORTABLE MEASURING MICROSCOPES

18 BORESCOPES

PAGE 134-136



VIDEOSCOPES

PRODUCT INDEX

19 PORTABLE INSTRUMENTS PAGE 137-157



COATING THICKNESS GAGES



SURFACE PROFILE GAGES



WET FILM GAGES



ULTRASONIC THICKNESS GAGES



LASER DISTANCE METERS



INFRARED THERMOMETERS



INFRARED THERMAL CAMERAS



THERMOHYGROMETERS



ANEMOMETERS



LIGHT METERS



WOOD MOISTURE METERS



SOUND LEVEL METERS



TACHOMETERS



SPECTROPHOTOMETERS



GLOSS METERS



VIBRATION PENS



PORTABLE REFRACTOMETERS



DIGITAL STOPWATCHES



STROKE COUNTERS



VOLTAGE TESTERS



AC DIGITAL CLAMP METERS



MULTIMETERS



PORTABLE CONDUCTIVITY/TDS METERS



PORTABLE pH METERS

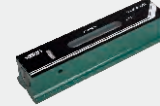


BOURDON TUBE PRESSURE GAGES

20 LEVELS PAGE 157-161



DIGITAL LEVELS AND SLOPE METERS



LEVELS



CROSS-LINE LASER LEVELS

21 HARDNESS TESTERS PAGE 162-172



HARDNESS TESTERS



LEEB HARDNESS TESTERS



SHORE DUROMETERS

22 FORCE GAGES PAGE 172-174



FORCE GAGES



SPRING TESTERS



DIAL TENSION GAGES

23 SCALES PAGE 175-180



ELECTRONIC BALANCES



WEIGHING SCALES



PLATFORM SCALES



FLOOR SCALES



CRANE SCALES

24 TORQUE TESTERS TORQUE WRENCHES PAGE 180-182



TORQUE TESTERS

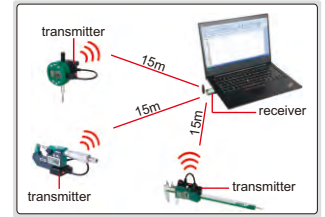


TORQUE WRENCHES



TORQUE SCREWDRIVERS

DATA TRANSMISSION SYSTEM



- Through wireless transmission, the measurement data can be transmitted to computers or mobile phones
- Wireless zigbee protocol, conforming to IEEE802, 2.4GHz band
- Transmission distance is 15 meter (under the condition of no obstruction and no electromagnetic interference)

Transmitter

- Connecting to digital measuring tools such as calipers, micrometers and indicators
- CR2032 battery

| Code | Description | Transmitter | Connecting with measuring tool | Transmit data | List Price (₹) | Promotion Price (₹) |
|----------|---------------------------------------------------|-------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------|
| 7315-21 | transmitter for digital calipers | | | <ul style="list-style-type: none"> Press the transmit button on the plug of cable, can also press the transmit button of the transmitter Data is transmitted once, the signal light of the transmitter flashes once | 5664 | 4930 |
| 7315-22 | transmitter for large digital calipers | | | <ul style="list-style-type: none"> Press the transmit button of the transmitter Data is transmitted once, the signal light of the transmitter flashes once | 5011 | 4497 |
| 7315-30 | transmitter for digital micrometers | | | <ul style="list-style-type: none"> Press the "DATA" button of digital micrometer, can also press the transmit button of the transmitter Data is transmitted once, the signal light of the transmitter flashes once, at the same time, the signal light on the digital micrometer flashes once | 5011 | 4498 |
| 7315-50M | transmitter for digital indicators | | suitable for 2108, 2138, 2139 series digital indicators | <ul style="list-style-type: none"> Press the "DATA" button of digital indicator, can also press the transmit button of the transmitter Data is transmitted once, the signal light of the transmitter flashes once, at the same time, the signal light on digital indicator flashes once | 5109 | 4603 |
| | | | suitable for other digital indicators | <ul style="list-style-type: none"> Press the transmit button of the transmitter Data is transmitted once, the signal light of the transmitter flashes once | | |
| 7315-60 | transmitter for high precision digital indicators | | | <ul style="list-style-type: none"> Press the transmit button of the transmitter Data is transmitted once, the signal light of the transmitter flashes once | 5109 | 4603 |

To be continued

Continued from previous page

Receiver (keyboard signal)

- For computers and mobile phones
- Recognized as HID keyboard device, the transmitted data is recognized by computers or mobile phones as keyboard input data and press enter, such as 12.34↵.
- No need to install drivers and softwares
- Data can be transmitted to excel, word, txt etc.
- Suitable for any softwares which can receive keyboard signal

| Code | Product | Description | Remark | List Price (₹) | Promotion Price (₹) |
|--------|----------------|-------------------------|-----------------------------------------------------------------|----------------|---------------------|
| 7315-3 | USB port | single channel receiver | connected with 1 transmitter only | 9479 | 8313 |
| 7315-6 | USB port | multichannel receiver | connected with 6 transmitter, each channel has status indicator | 13659 | 12293 |
| 7315-7 | type-C port | | | 13659 | 12293 |
| 7315-8 | micro USB port | | | 13659 | 12293 |
| 7315-9 | lightning port | | | 15577 | 14798 |

Receiver (text format, virtual com port)

- Suitable for computers with windows system
- Text format virtual com port, converted to keyboard format with supplied software
- Supplied with EXCEL directional input software
- Measurement data can be transmitted to excel, word, txt etc. and any software which receives keyboard signal

| Code | Product | Description | Remark | List Price (₹) | Promotion Price (₹) |
|--------|---------------------|-----------------------|-------------------------------------------------------------------------------------|----------------|---------------------|
| 7315-2 | antenna USB port | multichannel receiver | connected with maximum 16 transmitters, each of them has unique identification code | 16122 | 12662 |

EXCEL directional input software

- Supplied with 7315-2 receiver
- The measurement data of multiple measuring tools can be transmitted to the designated area of excel, which facilitates data management and improves efficiency

Excel directional input software (included in 7315-2), application example 1

Set the display area of caliper at B4-B9, the readings of caliper are displayed at B4, B5...B9.
 Set the display area of micrometer at C4-C9, the readings of micrometer are displayed at C4, C5... C9.
 Set the display area of height gage at D4-D9, the readings of height gage are displayed at D4, D5... D9.

| | A | B | C | D |
|---|-------------------------|-----------|------------|---------------|
| 1 | Project | Length | Width | Height |
| 2 | Dimension and Tolerance | 50±0.05 | 24±0.01 | 10+0.05/-0.06 |
| 3 | Measuring tool | Caliper | Micrometer | Height gage |
| 4 | 1 | 50.02 | 24.004 | 9.98 |
| 5 | 2 | 50.01 | 24.010 | 10.01 |
| 6 | 3 | 49.99 | 23.990 | 10.02 |
| 7 | 4 | 50.00 | 23.996 | 9.99 |
| 8 | 5 | 50.04 | 24.000 | 10.01 |
| 9 | 6 | Channel 1 | Channel 2 | Channel 3 |

serial of workpieces the next data display area is indicated in green

Excel directional input software (included in 7315-2), application example 2

Set the display area of micrometer at B4-C9, data input is from the left to the right, the readings of micrometer are displayed at B4, C4, B5, C5... B9, C9.
 Set the display area of caliper at D4-D9, the readings of caliper are displayed at D4, D5... D9.
 Set the display area of depth gage at E4-E9, the readings of depth gage are displayed at E4, E5... E9.

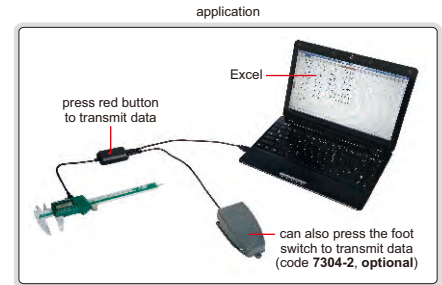
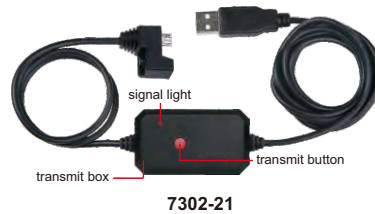
| | A | B | C | D | E |
|---|-------------------------|--------------------|--------------------|-----------|------------|
| 1 | Project | External diameter1 | External diameter2 | Length | Depth |
| 2 | Dimension and Tolerance | Φ23+0.01/-0.02 | Φ21+0.01/-0.02 | 50±0.04 | 28±0.05 |
| 3 | Measuring tool | Micrometer | Micrometer | Caliper | Depth gage |
| 4 | 1 | 23.010 | 21.008 | 49.98 | 28.01 |
| 5 | 2 | 23.010 | 21.000 | 49.98 | 27.98 |
| 6 | 3 | 22.999 | 21.000 | 50 | 28 |
| 7 | 4 | 23.007 | 20.998 | 50 | 28 |
| 8 | 5 | 23.000 | 20.985 | 50.01 | 28.01 |
| 9 | 6 | 23.008 | Channel 1 | Channel 2 | Channel 3 |

serial of workpieces the next data display area is indicated in green

DATA OUTPUT CABLES (KEYBOARD FORMAT)



- Recognized as HID keyboard device by computer, no need to install drivers and softwares
- Data can be transmitted to Excel, Word, txt and other files (press transmit button, which is recognized by the computer as keyboard input data and press enter, such as 12.34 ✓)
- Suitable for any softwares which can receive keyboard signal
- Optional accessory: foot switch (code: 7304-2), hub (code: 7324-HUB4, 7324-HUB7), extension cables (code: 7325-ADD5, 7325-ADD10)

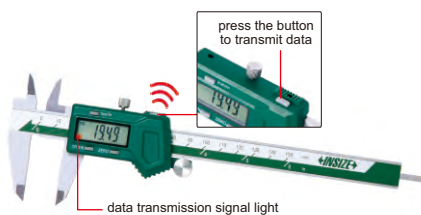
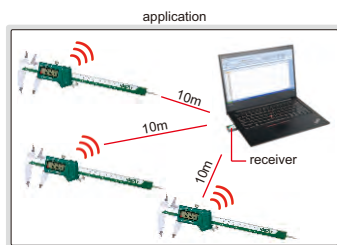


| Code | Description | Plug | Connecting with measuring tool | Transmit data | List Price (₹) | Promotion Price (₹) |
|----------|-----------------------------------------------------------|------|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------|
| 7302-21 | cable for digital calipers (length 3m) | | | <ul style="list-style-type: none"> ■ Press the transmit button on the plug of cable, can also press the transmit button of the transmit box, or press the foot switch ■ Data is transmitted once, the signal light of the transmit box flashes once | 5297 | 4767 |
| 7302-22 | cable for large digital calipers (length 2.5m) | | | <ul style="list-style-type: none"> ■ Press the transmit button of the transmit box, or press the foot switch ■ Data is transmitted once, the signal light of the transmit box flashes once | 5090 | 4581 |
| 7302-30 | cable for digital micrometers (length 2.5m) | | | <ul style="list-style-type: none"> ■ Press the "data" button of digital micrometer, can also press the transmit button of the transmit box, or press the foot switch ■ Data is transmitted once, the signal light of the transmit box flashes once, at the same time, the signal light on the digital micrometer flashes once | 5443 | 4899 |
| 7302-40M | cable for digital indicators (length 2.5m) | | suitable for 2108, 2138, 2139 series digital indicators | <ul style="list-style-type: none"> ■ Press the "DATA" button of digital indicator, can also press the transmit button of the transmit box, or press the foot switch ■ Data is transmitted once, the signal light of the transmit box flashes once, at the same time, the signal light on digital indicator flashes once <p>Note: long press transmit button to zero the digital indicators</p> | 5481 | 4933 |
| | | | suitable for other digital indicators | <ul style="list-style-type: none"> ■ Press the transmit button of the transmit box, or press the foot switch ■ Data is transmitted once, the signal light of the transmit box flashes once <p>Note: long press transmit button to zero the digital indicators</p> | | |
| 7302-50M | cable for digital gages (length 2.5m) | | | <ul style="list-style-type: none"> ■ Press the transmit button of the transmit box, or press the foot switch ■ Data is transmitted once, the signal light of the transmit box flashes once | 5646 | 5081 |
| 7302-60 | cable for high precision digital indicators (length 2.5m) | | | <ul style="list-style-type: none"> ■ Press the "DATA" button of high precision digital indicator, can also press the transmit button of the transmit box, or press the foot switch ■ Data is transmitted once, the signal light of the transmit box flashes once | 5243 | 4981 |

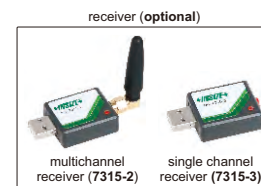
DIGITAL CALIPERS



ATTENTION: THE WORKING LIFE OF A BATTERY IS ABOUT 3-5 MONTHS



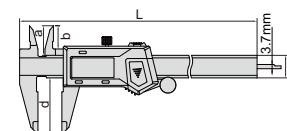
1113-150



- Built-in wireless data transmission module, Zigbee signal
- Transmission distance is 10 meter (under the condition of no obstruction and no electromagnetic interference)
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, data transmission
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: receiver (code 7315-2/3/6/7/8/9)

(mm)

| Code | Range | Accuracy | L | a | b | c | d | List Price (₹) | Promotion Price (₹) |
|-----------|---------------|----------|-----|----|------|----|----|----------------|---------------------|
| 1113-150* | 0-150mm/0-6" | ±0.03mm | 236 | 21 | 16 | 16 | 40 | 7079 | 6156 |
| 1113-200* | 0-200mm/0-8" | ±0.03mm | 286 | 24 | 19 | 16 | 50 | 8380 | 6970 |
| 1113-300* | 0-300mm/0-12" | ±0.03mm | 400 | 25 | 20.5 | 16 | 60 | 11930 | 9921 |



*Supplied with manufacturer inspection certificate

IP67 WATERPROOF DIGITAL CALIPER



IP67 WATERPROOF

ATTENTION: NO DATA OUTPUT

ATTENTION: WHEN POWER ON 8 HOURS AFTER SHUTDOWN, IT IS NECESSARY TO SET ZERO

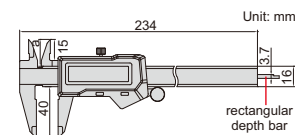
- IP67 dust/waterproof
- Resolution: 0.01mm/0.0005"
- Large display
- Button function: zero, on/off, mm/inch
- Battery CR2032
- Automatic power off
- Meet DIN862
- Made of stainless steel



1126-150

(mm)

| Code | Range | Accuracy | a | List Price (₹) | Promotion Price (₹) |
|-----------|--------------|----------|----|----------------|---------------------|
| 1126-150* | 0-150mm/0-6" | ±0.03mm | 20 | 5510 | 5179 |



*Supplied with manufacturer inspection certificate

IP67 WATERPROOF DIGITAL CALIPERS



ATTENTION: NO DATA OUTPUT

IP67 WATERPROOF

- IP67 dust/waterproof
- Resolution: 0.01mm/0.0005"
- Button function: zero, on/off, mm/inch
- Battery CR2032
- Automatic power off
- Meet DIN862
- Made of stainless steel

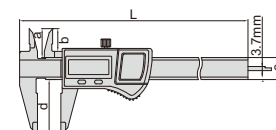


1115-150

POPULAR MODEL

(mm)

| Code | Range | Accuracy | L | a | b | c | d | List Price (₹) | Promotion Price (₹) |
|-----------|---------------|----------|-----|----|----|----|----|----------------|---------------------|
| 1115-150* | 0-150mm/0-6" | ±0.02mm | 235 | 20 | 15 | 16 | 40 | 5293 | 4764 |
| 1115-200* | 0-200mm/0-8" | ±0.03mm | 287 | 24 | 19 | 16 | 50 | 8399 | 7559 |
| 1115-300* | 0-300mm/0-12" | ±0.03mm | 388 | 26 | 21 | 16 | 60 | 10392 | 9353 |



*Supplied with manufacturer inspection certificate

DIGITAL CALIPERS (ABSOLUTE SYSTEM)

- Absolute system, low power consumption, long battery life
- Accuracy: $\pm 0.03\text{mm}$
- Resolution: $0.01\text{mm}/0.0005''$
- Buttons: on/off, mm/inch, ORIGIN, ZERO/ABS
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: wireless transmitter, code 7315-1103, data output cable (keyboard format), code 7302-1103

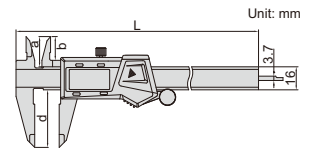


1103-150

INSPECTION
CERTIFICATE

DATA
OUTPUT

POPULAR
MODEL



| Code | Range | L | a | b | d | List Price (₹) | Promotion Price (₹) |
|-----------|---------------|-----|----|------|----|----------------|---------------------|
| 1103-150* | 0-150mm/0-6" | 236 | 21 | 16.5 | 40 | 4195 | 2208 |
| 1103-200* | 0-200mm/0-8" | 286 | 24 | 19.5 | 50 | 5672 | 3161 |
| 1103-300* | 0-300mm/0-12" | 400 | 26 | 21.5 | 60 | 7745 | 5600 |

*Supplied with manufacturer inspection certificate

DIGITAL CALIPERS

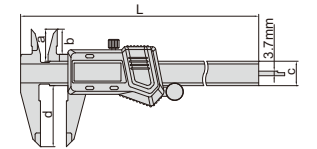
- Accuracy: $\pm 0.03\text{mm}$
- Zinc alloy housing for digital unit
- Resolution: $0.01\text{mm}/0.0005''$
- Buttons: zero, on/off, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, meet DIN862
- Made of stainless steel



1114-150A

INSPECTION
CERTIFICATE

ATTENTION: NO
DATA OUTPUT



| Code | Range | Accuracy | L | a | b | c | d | List Price (₹) | Promotion Price (₹) |
|------------|---------------|---------------------|-----|----|------|----|----|----------------|---------------------|
| 1114-150A* | 0-150mm/0-6" | $\pm 0.03\text{mm}$ | 236 | 21 | 16 | 16 | 40 | 2546 | 2368 |
| 1114-200A* | 0-200mm/0-8" | $\pm 0.03\text{mm}$ | 286 | 24 | 19 | 16 | 50 | 3441 | 3200 |
| 1114-300A* | 0-300mm/0-12" | $\pm 0.03\text{mm}$ | 400 | 25 | 20.5 | 17 | 60 | 6039 | 5616 |

*Supplied with manufacturer inspection certificate

DIGITAL CALIPERS (STANDARD TYPE)

- Resolution: $0.01\text{mm}/0.0005''$
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output, meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



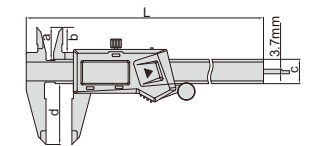
1108-150

INSPECTION
CERTIFICATE

ATTENTION: NOT
WATERPROOF

DATA
OUTPUT

POPULAR
MODEL



| Code | Range | Accuracy | L | a | b | c | d | List Price (₹) | Promotion Price (₹) |
|-----------|---------------|---------------------|-----|----|------|----|----|----------------|---------------------|
| 1108-150* | 0-150mm/0-6" | $\pm 0.02\text{mm}$ | 236 | 21 | 16 | 16 | 40 | 2614 | 2066 |
| 1108-200* | 0-200mm/0-8" | $\pm 0.03\text{mm}$ | 286 | 24 | 19 | 16 | 50 | 3565 | 3117 |
| 1108-300* | 0-300mm/0-12" | $\pm 0.03\text{mm}$ | 400 | 25 | 20.5 | 16 | 60 | 6277 | 5598 |

*Supplied with manufacturer inspection certificate

HEAVY DUTY 300mm DIGITAL CALIPER

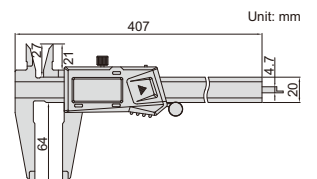
- Resolution: $0.01\text{mm}/0.0005''$
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7315-22, 7302-22)



1196-300

INSPECTION
CERTIFICATE

DATA
OUTPUT



| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|-----------|---------------|---------------------|----------------|---------------------|
| 1196-300* | 0-300mm/0-12" | $\pm 0.03\text{mm}$ | 8482 | 7571 |

*Supplied with manufacturer inspection certificate

DIGITAL CALIPER WITH ROUND DEPTH BAR

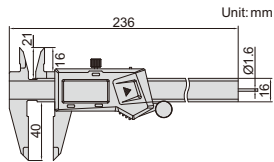


1119-150

DATA OUTPUT INSPECTION CERTIFICATE



- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|-----------|--------------|----------|----------------|---------------------|
| 1119-150* | 0-150mm/0-6" | ±0.03mm | 2996 | 2607 |

*Supplied with manufacturer inspection certificate

LEFT HAND DIGITAL CALIPER

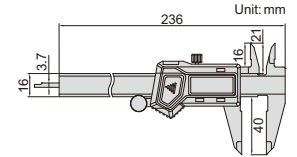
INSPECTION CERTIFICATE

DATA OUTPUT



1130-150

- Designed for left handed users
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7315-22, 7302-22)



| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|-----------|--------------|----------|----------------|---------------------|
| 1130-150* | 0-150mm/0-6" | ±0.03mm | 7727 | 7045 |

*Supplied with manufacturer inspection certificate

DIGITAL CALIPERS (BASIC TYPE)

- Resolution: 0.01mm/0.0005"
- Buttons: zero, on/off, mm/inch
- Battery LR44
- Meet DIN862
- Made of stainless steel

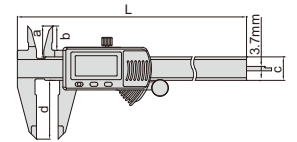


1112-150

(mm)

POPULAR MODEL

ATTENTION: NO DATA OUTPUT



| Code | Range | Accuracy | L | a | b | c | d | List Price (₹) | Promotion Price (₹) |
|----------|---------------|----------|-----|----|------|----|----|----------------|---------------------|
| 1112-150 | 0-150mm/0-6" | ±0.03mm | 236 | 21 | 16 | 16 | 40 | 2316 | 1833 |
| 1112-200 | 0-200mm/0-8" | ±0.03mm | 286 | 24 | 19 | 16 | 50 | 3243 | 2782 |
| 1112-300 | 0-300mm/0-12" | ±0.03mm | 400 | 25 | 20.5 | 17 | 60 | 5983 | 5115 |

DIGITAL CALIPERS WITH CARBIDE TIPPED JAWS

INSPECTION CERTIFICATE

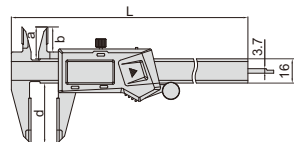
DATA OUTPUT



1110-150B

Unit:mm

- Accuracy: ±0.03mm
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



Carbide tipped lower jaws

(mm)

| Code | Range | L | a | b | d | List Price (₹) | Promotion Price (₹) |
|------------|---------------|-----|----|------|----|----------------|---------------------|
| 1110-150B* | 0-150mm/0-6" | 236 | 21 | 16 | 40 | 6423 | 5823 |
| 1110-200B* | 0-200mm/0-8" | 286 | 24 | 19 | 50 | 7944 | 7202 |
| 1110-300B* | 0-300mm/0-12" | 400 | 25 | 20.5 | 60 | 12084 | 10955 |

*Supplied with manufacturer inspection certificate

DIGITAL CALIPER

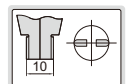
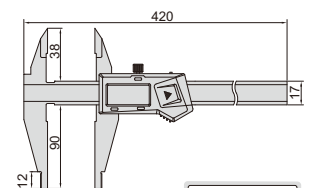
DATA OUTPUT



1171-300

Unit:mm

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|---------------|----------|----------------|---------------------|
| 1171-300 | 0-300mm/0-12" | ±0.06mm | 15060 | 13554 |

DIGITAL CALIPER

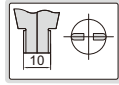
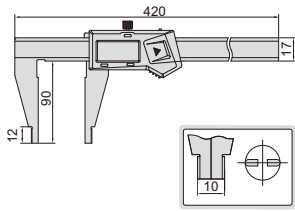
DATA
OUTPUT



1170-300

Unit: mm

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|---------------|----------|----------------|---------------------|
| 1170-300 | 0-300mm/0-12" | ±0.06mm | 9218 | 8296 |

PLASTIC DIGITAL CALIPER

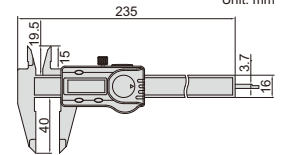
ATTENTION:
NO DATA OUTPUT



1139-150

Unit: mm

- Made of hard plastic, non-magnetic and non electric conductive
- Prevent workpieces from scratching by calipers
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Battery CR2032, automatic power off



| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|--------------|----------|----------------|---------------------|
| 1139-150 | 0-150mm/0-6" | ±0.1mm | 1003 | 905 |

MINI DIGITAL CALIPERS

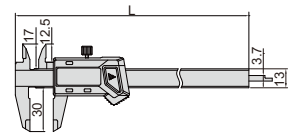
ATTENTION:
NO DATA OUTPUT

- Resolution: 0.01mm/0.0005"
- Buttons: zero, mm/inch, on/off
- Automatic power off, move the digital unit to turn on power
- Battery LR44
- Meet DIN862
- Made of stainless steel



1111-100A

Unit: mm



| Code | Range | Accuracy | L | List Price (₹) | Promotion Price (₹) |
|-----------|--------------|----------|-------|----------------|---------------------|
| 1111-75A | 0-75mm/0-3" | ±0.02mm | 144mm | 2761 | 2374 |
| 1111-100A | 0-100mm/0-4" | ±0.02mm | 170mm | 2769 | 2381 |

DIAL CALIPERS

INSPECTION
CERTIFICATE

SHOCK
PROOF

Dial indicator graduation: 0.02mm

(mm)

| Code | Range | Accuracy | L | a | b | c | d | D | t | List Price (₹) | Promotion Price (₹) |
|------------|---------|----------|-----|----|------|----|----|-------|-----|----------------|---------------------|
| 1312-150A* | 0-150mm | ±0.03mm | 235 | 21 | 16.5 | 16 | 40 | ∅39 | 6.5 | 3040 | 2698 |
| 1312-200A* | 0-200mm | ±0.03mm | 288 | 24 | 19 | 16 | 48 | ∅39 | 6.5 | 4050 | 3594 |
| 1312-300A* | 0-300mm | ±0.03mm | 410 | 28 | 22 | 20 | 62 | ∅44.5 | 7.5 | 6073 | 5511 |

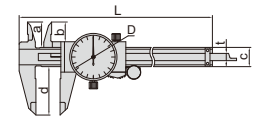


1312-150A

Dial indicator graduation: 0.01mm

(mm)

| Code | Range | Accuracy | L | a | b | c | d | D | t | List Price (₹) | Promotion Price (₹) |
|------------|---------|----------|-----|----|------|----|----|-------|-----|----------------|---------------------|
| 1311-150A* | 0-150mm | ±0.03mm | 235 | 21 | 16.5 | 16 | 40 | ∅39 | 6.5 | 3413 | 3059 |
| 1311-200A* | 0-200mm | ±0.03mm | 288 | 24 | 19 | 16 | 48 | ∅39 | 6.5 | 4341 | 3890 |
| 1311-300A* | 0-300mm | ±0.03mm | 410 | 28 | 22 | 20 | 62 | ∅44.5 | 7.5 | 5957 | 5778 |



- Shockproof dial indicator
- Made of stainless steel

*Supplied with manufacturer inspection certificate

VERNIER CALIPERS WITH FINE ADJUSTMENT

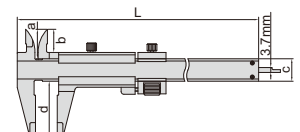
- Graduation: 0.02mm/0.001"
- Accuracy: ±0.03mm
- With fine adjustment
- Meet DIN862
- Made of stainless steel
- Satin chrome plated reading surface



1233-130

(mm)

| Code | Range | L | a | b | c | d | List Price (₹) | Promotion Price (₹) |
|----------|---------------|-----|------|------|----|----|----------------|---------------------|
| 1233-130 | 0-130mm/0-5" | 230 | 20.5 | 16.5 | 16 | 40 | 2089 | 1764 |
| 1233-180 | 0-180mm/0-7" | 295 | 23.5 | 19 | 16 | 50 | 3021 | 2654 |
| 1233-280 | 0-280mm/0-11" | 410 | 26 | 20 | 20 | 60 | 5427 | 4805 |



VERNIER CALIPERS

POPULAR MODEL

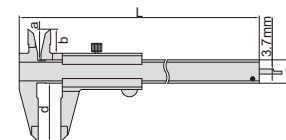
- Accuracy: $\pm 0.03\text{mm}$
- Graduation: $0.02\text{mm}/0.001''$
- Meet DIN862
- Made of stainless steel
- Satin chrome plated reading surface



1205-1502S

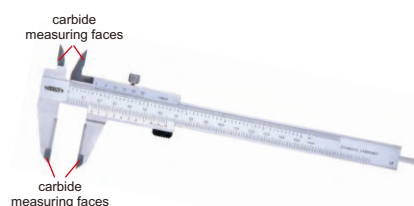
(mm)

| Code | Range | L | a | b | c | d | List Price (₹) | Promotion Price (₹) |
|------------|---------------|-----|------|------|----|----|----------------|---------------------|
| 1205-1502S | 0-150mm/0-6" | 235 | 20.5 | 15.5 | 16 | 40 | 1901 | 1686 |
| 1205-2002S | 0-200mm/0-8" | 290 | 23.5 | 19 | 17 | 50 | 2865 | 2614 |
| 1205-3002S | 0-300mm/0-12" | 414 | 27.5 | 22 | 20 | 64 | 5311 | 4780 |



VERNIER CALIPERS WITH CARBIDE TIPPED JAWS

- Carbide tipped jaws for inside and outside measurements
- Meet DIN862
- Made of stainless steel
- Satin chrome plated reading surface

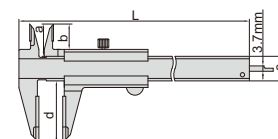


1238-1502

Graduation $0.02\text{mm}/0.001''$

(mm)

| Code | Range | Accuracy | L | a | b | c | d | List Price (₹) | Promotion Price (₹) |
|-----------|---------------|---------------------|-----|----|------|----|----|----------------|---------------------|
| 1238-1502 | 0-150mm/0-6" | $\pm 0.03\text{mm}$ | 230 | 21 | 16.5 | 16 | 40 | 8073 | 7831 |
| 1238-2002 | 0-200mm/0-8" | $\pm 0.03\text{mm}$ | 295 | 24 | 19 | 16 | 50 | 9441 | 9158 |
| 1238-3002 | 0-300mm/0-12" | $\pm 0.03\text{mm}$ | 410 | 25 | 20 | 17 | 60 | 15114 | 13603 |

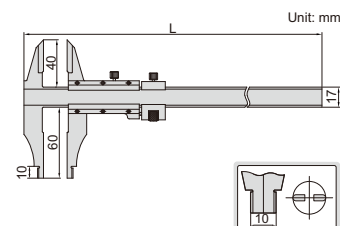


VERNIER CALIPER

- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface



1217-3001



| Code | Range | Graduation | Accuracy | L | List Price (₹) | Promotion Price (₹) |
|-----------|---------|------------|---------------------|-------|----------------|---------------------|
| 1217-3001 | 0-300mm | 0.02mm | $\pm 0.03\text{mm}$ | 410mm | 5769 | 4327 |

DIGITAL CALIPERS

DATA OUTPUT

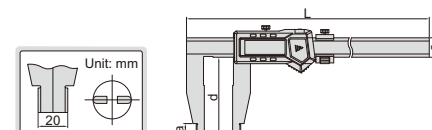
- Resolution: $0.01\text{mm}/0.0005''$
- Button function: on/off, zero, mm/inch, ABS, data preset
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-22, 7302-22)



1106-501

(mm)

| Code | Range | Accuracy | a | c | d | L | List Price (₹) | Promotion Price (₹) |
|-----------|----------------|---------------------|----|----|-----|------|----------------|---------------------|
| 1106-501 | 0-500mm/0-20" | $\pm 0.05\text{mm}$ | 18 | 24 | 100 | 675 | 14720 | 12291 |
| 1106-601 | 0-600mm/0-24" | $\pm 0.05\text{mm}$ | 18 | 24 | 100 | 770 | 18735 | 14056 |
| 1106-1002 | 0-1000mm/0-40" | $\pm 0.08\text{mm}$ | 24 | 31 | 150 | 1220 | 41448 | 35583 |



DIGITAL CALIPERS

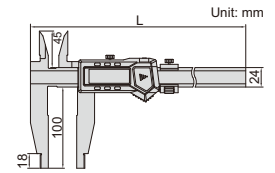
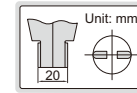
DATA OUTPUT

- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-22, 7302-22)



1136-501

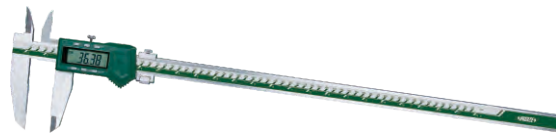
| Code | Range | Accuracy | L | List Price (₹) | Promotion Price (₹) |
|----------|---------------|----------|-----|----------------|---------------------|
| 1136-501 | 0-500mm/0-20" | ±0.05mm | 675 | 18664 | 18065 |
| 1136-601 | 0-600mm/0-24" | ±0.05mm | 770 | 24369 | 23320 |



DIGITAL CALIPERS

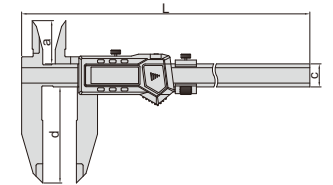
DATA OUTPUT

- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-22, 7302-22)



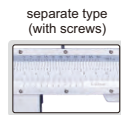
1135-601

| Code | Range | Accuracy | a | c | d | L | List Price (₹) | Promotion Price (₹) |
|-----------|----------------|----------|----|----|-----|------|----------------|---------------------|
| 1135-451 | 0-450mm/0-18" | ±0.05mm | 45 | 24 | 100 | 625 | 22741 | 20467 |
| 1135-601 | 0-600mm/0-24" | ±0.05mm | 45 | 24 | 100 | 770 | 26447 | 24202 |
| 1135-1002 | 0-1000mm/0-40" | ±0.08mm | 60 | 31 | 150 | 1220 | 59884 | 51500 |



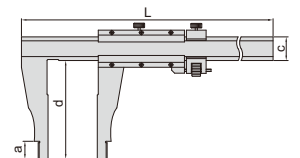
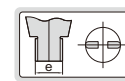
VERNIER CALIPERS (SEPARATE TYPE)

- Graduation: 0.02mm/0.001"
- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface



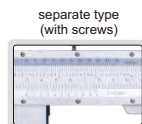
1214-500

| Code | Range | Accuracy | a | c | d | e | L | List Price (₹) | Promotion Price (₹) |
|-----------|----------------|----------|----|----|-----|----|------|----------------|---------------------|
| 1214-500 | 0-500mm/0-20" | ±0.05mm | 18 | 24 | 100 | 20 | 670 | 9382 | 8336 |
| 1214-600 | 0-600mm/0-24" | ±0.05mm | 18 | 24 | 100 | 20 | 770 | 10614 | 9296 |
| 1214-1000 | 0-1000mm/0-40" | ±0.08mm | 24 | 32 | 140 | 20 | 1216 | 31670 | 26521 |
| 1214-1500 | 0-1500mm/0-60" | ±0.12mm | 24 | 42 | 200 | 20 | 1830 | 81352 | 78911 |
| 1214-2000 | 0-2000mm/0-80" | ±0.14mm | 24 | 42 | 200 | 20 | 2320 | 119667 | 113140 |



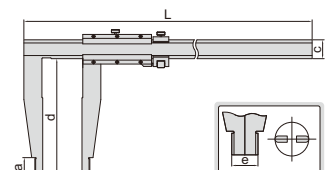
LONG JAW VERNIER CALIPERS (SEPARATE TYPE)

- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface



1215-1032

| Code | Range | Accuracy | a | c | d | e | L | List Price (₹) | Promotion Price (₹) |
|-----------|----------------|----------|----|----|-----|----|------|----------------|---------------------|
| 1215-522 | 0-500mm/0-20" | ±0.06mm | 18 | 24 | 150 | 20 | 670 | 13697 | 13286 |
| 1215-1032 | 0-1000mm/0-40" | ±0.08mm | 24 | 32 | 200 | 20 | 1220 | 41451 | 37306 |



DEPTH BASE ATTACHMENTS

- To increase the stability of depth measurement
- Suitable for digital calipers and dial calipers
- Made of stainless steel
- Application: suitable for calipers with beam width (w) 16mm

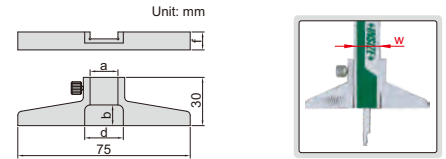


6140

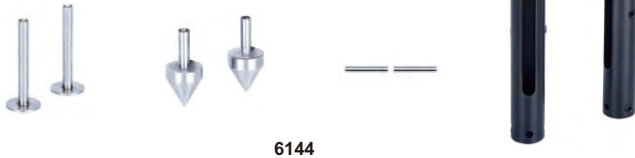


6140-16B

| (mm) | | | | | | | |
|----------|------|------|------|----|----------------------------------|----------------|---------------------|
| Code | a | b | d | f | Type | List Price (₹) | Promotion Price (₹) |
| 6140 | 16.5 | 9 | 18 | 6 | narrow base (f=6) | 866 | 784 |
| 6140-16B | 16 | 12.5 | 24.5 | 11 | wide base (f=11), high stability | 1638 | 1477 |

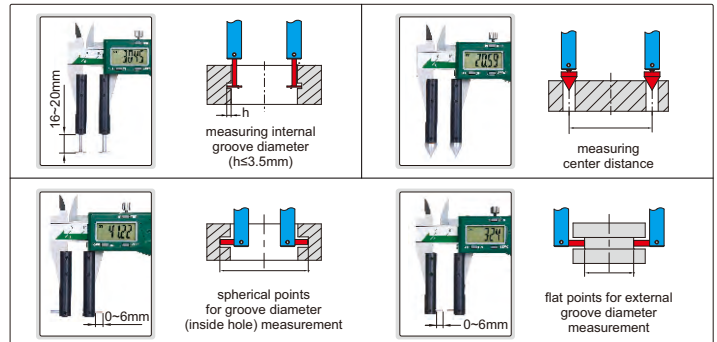
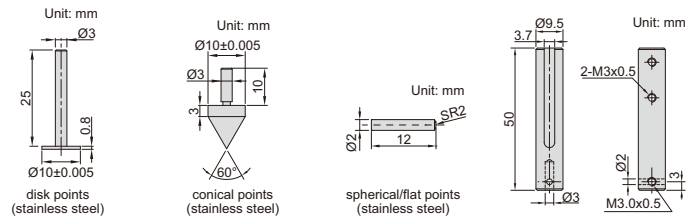


ACCESSORY SET FOR DIGITAL CALIPERS CODE 6144



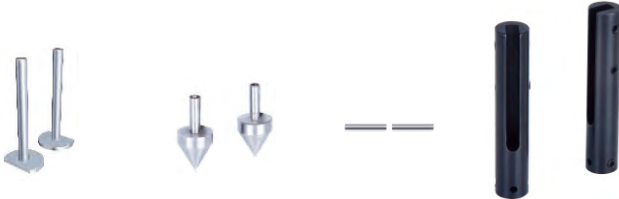
6144

- Suitable for 0-150mm/0-6" and 0-200mm/0-8" digital calipers (thickness of lower jaws ≤ 3.7mm)



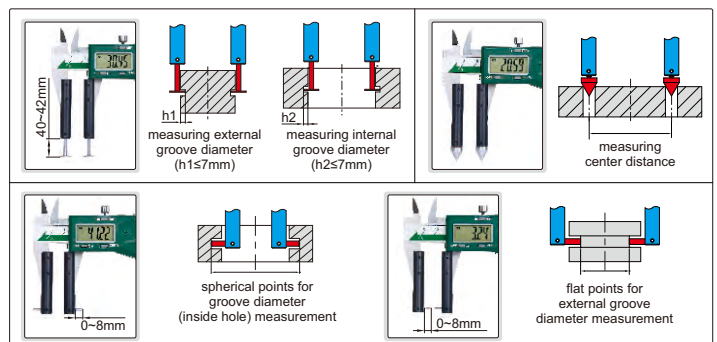
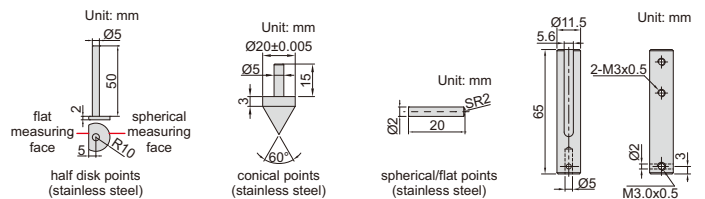
| Code | List Price (₹) | Promotion Price (₹) |
|------|----------------|---------------------|
| 6144 | 3369 | 3094 |

ACCESSORY SET FOR LARGE DIGITAL CALIPERS CODE 6145-500



6145-500

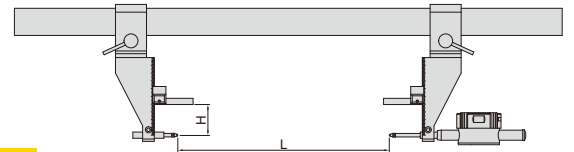
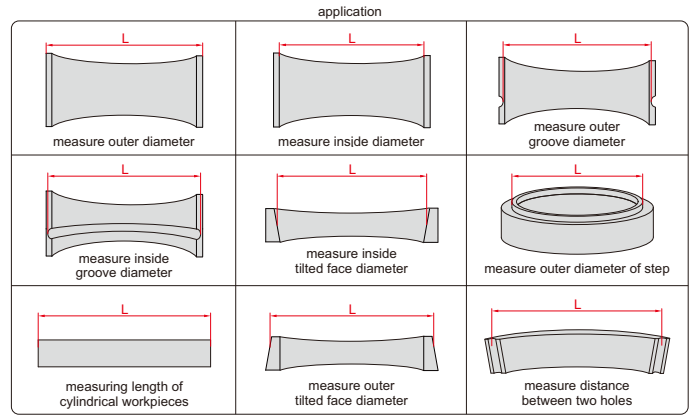
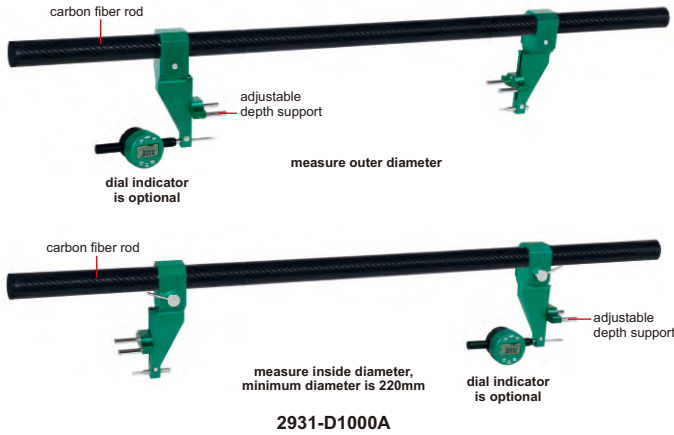
- Suitable for 0-500mm/0-20" and 0-600mm/0-24" digital calipers (thickness of lower jaws ≤ 5.6mm)



| Code | List Price (₹) | Promotion Price (₹) |
|----------|----------------|---------------------|
| 6145-500 | 10079 | 9071 |

CARBON FIBER COMPARISON GAGES

CARBON FIBER RODS, LIGHT WEIGHT, NOT EASY TO DEFORM, NO TEMPERATURE EXPAND, SUITABLE FOR THIN-WALL WORKPIECES AND LARGE-SIZE WORKPIECES



| Code | Maximum measuring range (L) | Measuring depth (H) | Repeatability | Weight | List Price (₹) | Promotion Price (₹) |
|-------------|-----------------------------|---------------------|---------------|--------|----------------|---------------------|
| 2931-D1000A | 1000mm | 0-100mm | 5µm | 2.0kg | 145100 | 81257 |
| 2931-D1000B | 1000mm | 0-200mm | 10µm | 2.3kg | 96269 | 91455 |
| 2931-D1000C | 1000mm | 0-300mm | 25µm | 2.6kg | 98347 | 93430 |
| 2931-D1500A | 1500mm | 0-100mm | 8µm | 2.3kg | 114329 | 108612 |
| 2931-D1500B | 1500mm | 0-200mm | 15µm | 2.6kg | 120564 | 114536 |
| 2931-D1500C | 1500mm | 0-300mm | 30µm | 2.9kg | 122642 | 116510 |
| 2931-D2000A | 2000mm | 0-100mm | 10µm | 2.6kg | 125656 | 119373 |
| 2931-D2000B | 2000mm | 0-200mm | 20µm | 2.9kg | 131890 | 125296 |
| 2931-D2000C | 2000mm | 0-300mm | 35µm | 3.2kg | 133969 | 127270 |
| 2931-D2500A | 2500mm | 0-100mm | 12µm | 2.9kg | 164124 | 155918 |
| 2931-D2500B | 2500mm | 0-200mm | 25µm | 3.2kg | 170359 | 161841 |
| 2931-D2500C | 2500mm | 0-300mm | 50µm | 3.5kg | 172438 | 163816 |
| 2931-D3000A | 3000mm | 0-100mm | 14µm | 3.2kg | 191870 | 182276 |
| 2931-D3000B | 3000mm | 0-200mm | 30µm | 3.5kg | 198104 | 188199 |
| 2931-D3000C | 3000mm | 0-300mm | 60µm | 3.8kg | 200183 | 190174 |
| 2931-D4000A | 4000mm | 0-100mm | 16µm | 3.8kg | 257128 | 244271 |
| 2931-D4000B | 4000mm | 0-200mm | 35µm | 4.1kg | 263362 | 250194 |
| 2931-D4000C | 4000mm | 0-300mm | 65µm | 4.4kg | 265441 | 252169 |

- Measure outer diameter, inside diameter, holes distance and cylindrical workpiece length
- Carbon fiber rods, light weight, not easy to deform, no temperature expand
- Optional accessory: cylinder gage blocks (code 4001)



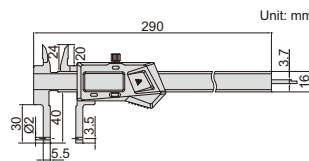
VIDEO

DIGITAL CALIPER WITH INTERCHANGEABLE POINTS CODE 1526-200

- Supplied with 3 pairs of points and zero setting block for external measurement
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: points, data output cable (code 7315-21, 7302-21)



1526-200



| Code | List Price (₹) | Promotion Price (₹) |
|----------|----------------|---------------------|
| 1526-200 | 16617 | 14090 |

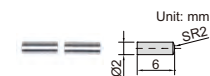
| Point | Range | Accuracy | Application |
|----------------------------|-------------------------------------------------------|----------|------------------------------------------------------------------------------|
| short spherical points | 12-212mm/0.5-8.5"(internal) | ±0.03mm | for grooves inside small hole |
| long spherical/flat points | 24-224mm/1-8.8"(internal) 0-187mm/0-7.5"(external) | ±0.03mm | spherical points for grooves inside hole flat points for external grooves |
| spherical blade points | 24-224mm/1-8.8"(internal) 0-187mm/0-7.5"(external) | ±0.03mm | for narrow grooves inside hole |

DATA OUTPUT

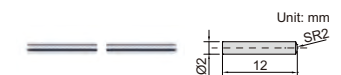


VIDEO

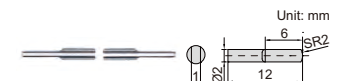
short spherical points (included)



long spherical/flat points (included)



spherical blade points (included)



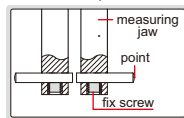
To be continued

Continued from previous page

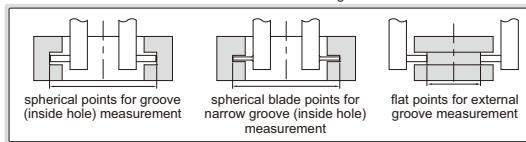
zero setting block for external measurement (included)



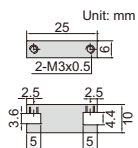
install points



measure internal and external grooves

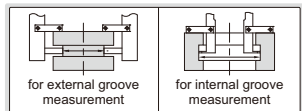


Depth stop (optional)



6143

Code
6143

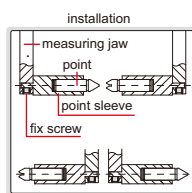
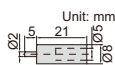


Point sleeve (optional)



1526-T101

Code
1526-T101



Ball points (optional)



7391-T5



| Code | Ball dia. (D) |
|------------|---------------|
| 7391-T3 * | SØ2.0mm |
| 7391-T4 * | SØ2.5mm |
| 7391-T5 * | SØ3.0mm |
| 7391-T6 * | SØ3.5mm |
| 7391-T7 * | SØ4.0mm |
| 7391-T8 * | SØ4.5mm |
| 7391-T9 * | SØ5.0mm |
| 7391-T10 * | SØ6.0mm |

* It is necessary to use point sleeve (code 1526-T101) for these points

Multifunctional points (optional)



7392-T1



7392-T2



7392-T3



7392-T4



7392-T5



7392-T6



7392-T7



7392-T8



7392-T9

Unit: mm

| Code | Type |
|-----------|-----------|
| 7392-T1 * | flat |
| 7392-T2 * | spherical |
| 7392-T3 * | spline |

| Code | Type |
|-----------|------------|
| 7392-T4 * | disk |
| 7392-T5 * | blade |
| 7392-T6 * | knife-edge |

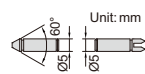
| Code | Type |
|-----------|------------|
| 7392-T7 * | point |
| 7392-T8 * | knife-edge |
| 7392-T9 * | point |

* It is necessary to use point sleeve (code 1526-T101) for these points

Screw thread points (optional)



7321-T16

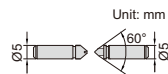


Internal thread (60° thread angle)

| Code | Pitch |
|------------|-----------------------------------------|
| 7321-T11 * | 0.4-0.5mm/64-48TPI |
| 7321-T12 * | 0.6-0.9mm/44-28TPI |
| 7321-T13 * | 1-1.75mm/24-14TPI |
| 7321-T14 * | 2-3mm/13-9TPI |
| 7321-T15 * | 3.5-5mm/8-5TPI |
| 7321-T16 * | 5.5-7mm/4.5-3.5TPI |
| 7321-T1S * | 6 pairs/set, including all above points |



7381-T11



External thread (60° thread angle)

| Code | Pitch |
|------------|-----------------------------------------|
| 7381-T11 * | 0.4-0.5mm/64-48TPI |
| 7381-T12 * | 0.6-0.9mm/44-28TPI |
| 7381-T13 * | 1-1.75mm/24-14TPI |
| 7381-T14 * | 2-3mm/13-9TPI |
| 7381-T15 * | 3.5-5mm/8-5TPI |
| 7381-T16 * | 5.5-7mm/4.5-3.5TPI |
| 7381-TS * | 6 pairs/set, including all above points |

* It is necessary to use point sleeve (code 1526-T101) for these points

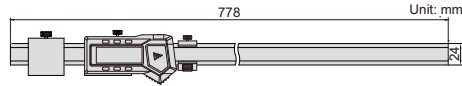
UNIVERSAL CALIPER CODE 1125-600



DATA
OUTPUT



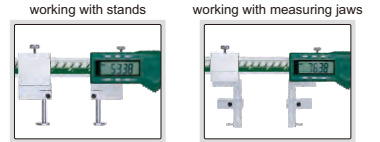
1125-600



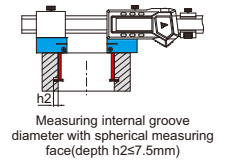
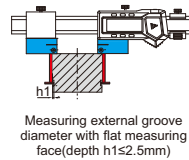
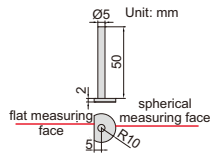
- Buttons: on/off, set, mm/inch, ABS, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-22, 7302-22)

| Code | Range* | Resolution | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|---------------|----------------|----------|----------------|---------------------|
| 1125-600 | 0-600mm/0-24" | 0.01mm/0.0005" | ±0.05mm | 50638 | 48106 |

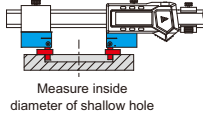
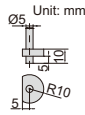
*The range changes according to different points



Half disk points (included)

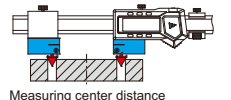
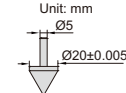


Round shoulder points (optional)



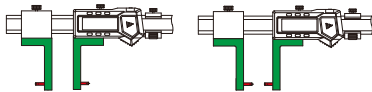
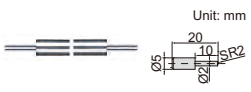
Code
1125-T102

Conical points (optional)

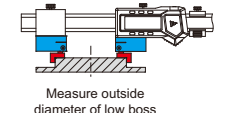
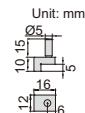


Code
1125-T101

Spherical points (included)

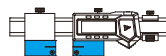
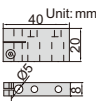


Flat shoulder points (optional)

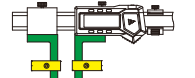
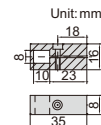


Code
1125-T103

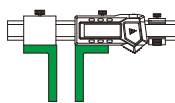
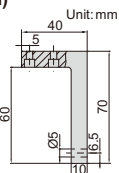
Stands (included)



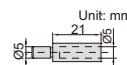
Depth stop (included)



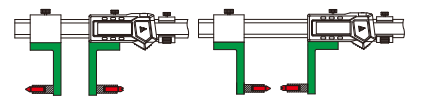
Measuring jaws (included)



Point sleeve (optional)



Code
1125-T104



Working with multifunctional points, ball points and screw thread points

Multifunctional points 7392* (optional)



Ball points 7391* (optional)



Screw thread points 7381*, 7321* (optional)



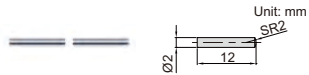
* It is necessary to use point sleeve (code 1125-T104) for these points

DIGITAL CALIPER WITH INTERCHANGEABLE POINTS CODE 1124-300A



DATA
OUTPUT

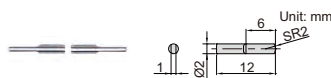
short spherical/flat points (included)



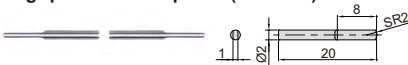
long spherical/flat points (included)



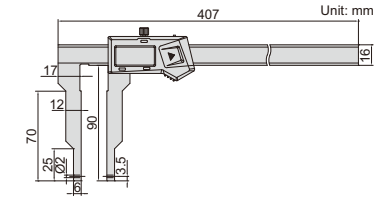
short spherical blade points (included)



long spherical blade points (included)



1124-300A



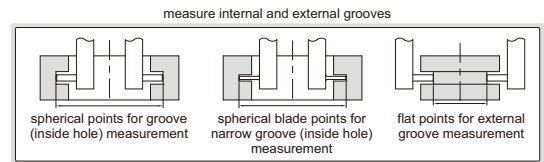
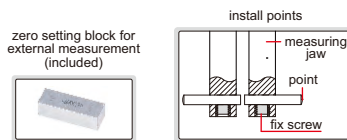
depth stop 6143
(optional)



preset buttons



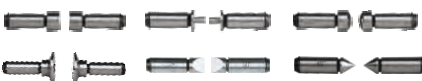
| Code | List Price (₹) | Promotion Price (₹) |
|-----------|----------------|---------------------|
| 1124-300A | 22908 | 20952 |



- Supplied with 4 pairs of points and zero setting block for external measurement
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: points (code 1526-T101, 7392, 7391, 7381, 7321), depth stop (code 6143), data output cable (code 7315-21, 7302-21)

| Point | Range | Accuracy | Application |
|------------------------------|-----------------------------------------------------------|----------|-------------------------------------------------------------------------------------------|
| short spherical/flat points | 24-324mm/1-12.7"(internal) 0-288mm/0-11.3"(external) | ±0.04mm | spherical points for grooves inside hole (small hole) flat points for external grooves |
| long spherical/flat points | 40-340mm/1.5-13.3"(internal) 0-272mm/0-10.7"(external) | ±0.04mm | spherical points for grooves inside hole (large hole) flat points for external grooves |
| short spherical blade points | 24-324mm/1-12.7"(internal) 0-288mm/0-11.3"(external) | ±0.04mm | for narrow grooves inside hole (small hole) |
| long spherical blade points | 40-340mm/1.5-13.3"(internal) 0-272mm/0-10.7"(external) | ±0.04mm | for narrow grooves inside hole (large hole) |

Multifunctional points 7392* (optional)



Ball points 7391* (optional)



Screw thread points 7381*, 7321* (optional)



*It is necessary to use point sleeve (code 1526-T101) for these points

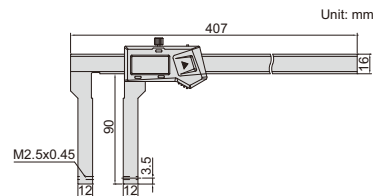
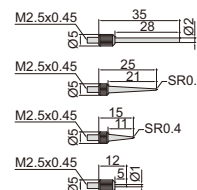
DIGITAL CALIPER WITH INTERCHANGEABLE POINTS

VARIOUS POINTS
ARE AVAILABLE

DATA
OUTPUT



1530-300



- Supplied with 4 pairs of points and zero setting block for external measurement
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: points, depth stop (code 6143), data output cable (code 7315-21, 7302-21)

preset buttons



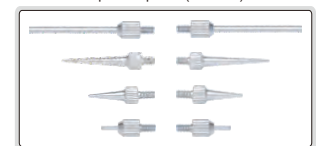
depth stop 6143
(optional)



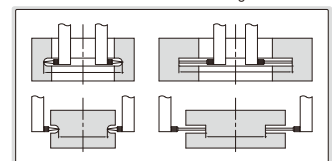
zero setting block for
external measurement
(included)



4 pairs of points (included)



measure internal and external grooves



| Code | Range* | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|---------------|----------|----------------|---------------------|
| 1530-300 | 0-300mm/0-12" | ±0.04mm | 24243 | 22136 |

*For different points, the measuring range changes accordingly

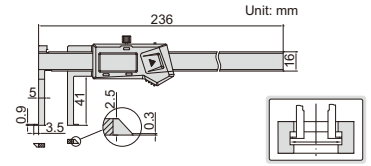
DIGITAL INSIDE GROOVE CALIPER

- Measure diameter of grooves inside small bores
- Accuracy: $\pm 0.04\text{mm}$
- Resolution: $0.01\text{mm}/0.0005''$
- Buttons: on/off, set, mm/inch, preset (+, -)
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: depth stop (code 6143), data output cable (code 7315-21, 7302-21)



1520-150

DATA OUTPUT



| Code | Range | List Price (₹) | Promotion Price (₹) |
|----------|------------------|----------------|---------------------|
| 1520-150 | 11-150mm/0.43-6" | 8639 | 7187 |

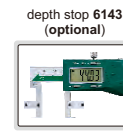
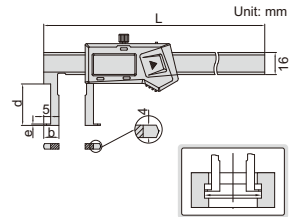
DIGITAL INSIDE GROOVE CALIPERS

- Measure groove diameter
- Resolution: $0.01\text{mm}/0.0005''$
- Buttons: on/off, set, mm/inch, preset (+, -)
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: depth stop (code 6143), data output cable (code 7315-21, 7302-21)



1120-150A

DATA OUTPUT



| Code | Range | Accuracy | L | b | d | e | List Price (₹) | Promotion Price (₹) |
|-----------|-------------------|---------------------|-----|------|----|-----|----------------|---------------------|
| 1120-150A | 22-150mm/0.87-6" | $\pm 0.04\text{mm}$ | 250 | 11 | 30 | 1 | 8765 | 6400 |
| 1120-200A | 25-200mm/0.98-8" | $\pm 0.04\text{mm}$ | 310 | 12.5 | 40 | 1 | 10003 | 8503 |
| 1120-300A | 30-300mm/1.18-12" | $\pm 0.05\text{mm}$ | 410 | 15 | 50 | 1.5 | 13188 | 11210 |

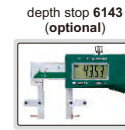
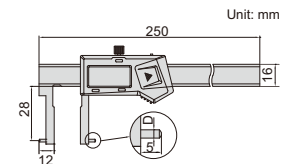
DIGITAL INSIDE POINT CALIPER

- Measure groove diameter
- Resolution: $0.01\text{mm}/0.0005''$
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: depth stop (code 6143, for calipers with $c=16\text{mm}$), data output cable (code 7315-21, 7302-21)



1121-150A

DATA OUTPUT



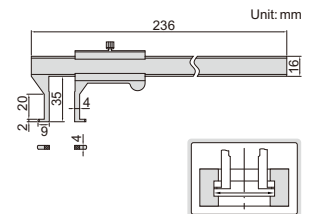
| Code | Range | Accuracy | D | List Price (₹) | Promotion Price (₹) |
|-----------|------------------|---------------------|-----------------|----------------|---------------------|
| 1121-150A | 24-150mm/0.94-6" | $\pm 0.04\text{mm}$ | $\varnothing 2$ | 10123 | 7086 |

INSIDE GROOVE VERNIER CALIPER

- Accuracy: $\pm 0.04\text{mm}$
- Graduation: 0.02mm
- Measure diameter of grooves inside bores
- Made of stainless steel
- Satin chrome plated reading surface



1262-150A



| Code | Range | List Price (₹) | Promotion Price (₹) |
|-----------|----------|----------------|---------------------|
| 1262-150A | 18-150mm | 10247 | 8514 |

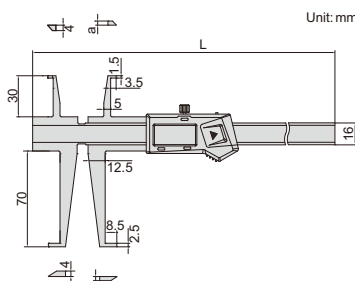
DIGITAL INSIDE GROOVE CALIPERS

- Measure diameter of grooves inside bores
- Resolution: $0.01\text{mm}/0.0005''$
- Buttons: on/off, set, mm/inch, preset (+, -)
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: depth stop (code 6143), data output cable (code 7315-21, 7302-21)

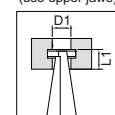


1176-150

DATA OUTPUT

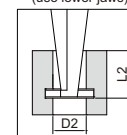


sizes to be measured (use upper jaws)



| (mm) | |
|---------------------------|-----|
| D1 | L1 |
| $\varnothing 9$ | <8 |
| $\varnothing 10$ | <15 |
| $\varnothing 11 \sim 200$ | <30 |

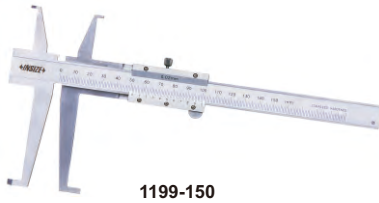
sizes to be measured (use lower jaws)



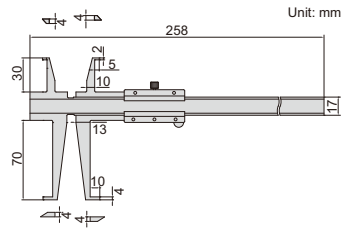
| (mm) | |
|---------------------------|-----|
| D2 | L2 |
| $\varnothing 17$ | <16 |
| $\varnothing 18$ | <28 |
| $\varnothing 19$ | <40 |
| $\varnothing 20$ | <50 |
| $\varnothing 21$ | <58 |
| $\varnothing 22 \sim 200$ | <70 |

| Code | Range of upper jaw | Range of lower jaw | Accuracy | L | a | List Price (₹) | Promotion Price (₹) |
|----------|--------------------|--------------------|---------------------|-----|-----|----------------|---------------------|
| 1176-150 | 9-150mm/0.35-6" | 17-150mm/0.70-6" | $\pm 0.04\text{mm}$ | 260 | 3 | 13045 | 11351 |
| 1176-200 | 9-200mm/0.35-8" | 17-200mm/0.70-8" | $\pm 0.05\text{mm}$ | 320 | 3.5 | 16293 | 14664 |

INSIDE GROOVE CALIPER



1199-150



depth stop 6143 (optional)



- Measure diameter of grooves inside bores
- Graduation: 0.02mm
- Made of stainless steel
- Optional accessory: depth stop (code 6143)

| Code | Range of upper jaw | Range of lower jaw | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|--------------------|--------------------|----------|----------------|---------------------|
| 1199-150 | 11-150mm | 18-150mm | ±0.03mm | 10764 | 9787 |

| | | (mm) | | | |
|----------------------------------------------|---------|------|----------------------------------------------|---------|-----|
| | | D1 | L1 | D2 | L2 |
| <p>sizes to be measured (use upper jaws)</p> | Ø11 | <8 | <p>sizes to be measured (use lower jaws)</p> | Ø18 | <20 |
| | Ø12 | <10 | | Ø19 | <28 |
| | Ø13 | <15 | | Ø20 | <35 |
| | Ø14 | <20 | | Ø21 | <40 |
| | Ø15~150 | <30 | | Ø22 | <50 |
| | | | | Ø23~150 | <70 |

DIGITAL INSIDE GROOVE CALIPER

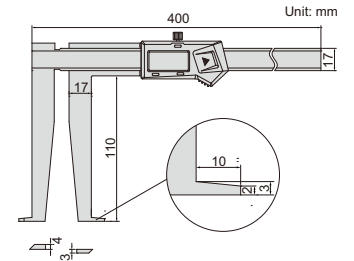
- Measure diameter of grooves inside bores
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: depth stop (code 6143), data output cable (code 7315-21, 7302-21)



1178-300

DATA OUTPUT

| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|-------------------|----------|----------------|---------------------|
| 1178-300 | 25-300mm/1.18-12" | ±0.05mm | 18845 | 17232 |



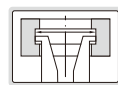
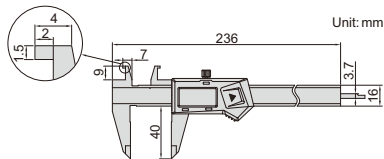
DIGITAL INSIDE GROOVE CALIPER

DATA OUTPUT



1191-150

- Accuracy: ±0.03mm
- Upper jaws for measuring diameter of grooves
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



| Code | Range of upper jaw | Range of lower jaw | List Price (₹) | Promotion Price (₹) |
|----------|--------------------|--------------------|----------------|---------------------|
| 1191-150 | 8-150mm/0.3-6" | 0-150mm/0-6" | 18332 | 16746 |

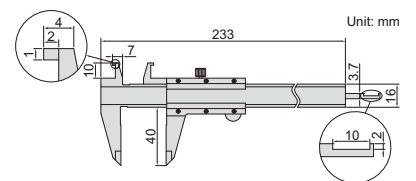
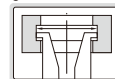
INSIDE GROOVE VERNIER CALIPER

measure depth of grooves (h<10mm)



1291-150

measure diameter of grooves 8-150mm



- Accuracy: ±0.03mm
- Graduation: 0.02mm
- Made of stainless steel
- Satin chrome plated reading surface

| Code | Range of upper jaw | Range of lower jaw | List Price (₹) | Promotion Price (₹) |
|----------|--------------------|--------------------|----------------|---------------------|
| 1291-150 | 8-150mm | 0-150mm | 4700 | 4465 |

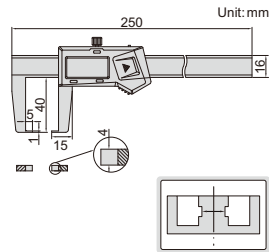
DIGITAL OUTSIDE NECK CALIPER

DATA
OUTPUT

depth stop 6143
(optional)



1187-150A



- Measure grooves and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: depth stop (code 6143), data output cable (code 7315-21, 7302-21)

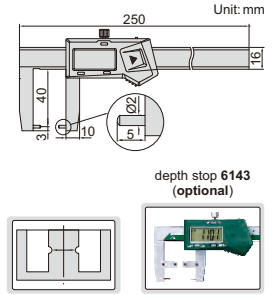
| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|-----------|--------------|----------|----------------|---------------------|
| 1187-150A | 0-150mm/0-6" | ±0.04mm | 6772 | 6194 |

DIGITAL OUTSIDE POINT CALIPER

DATA
OUTPUT



1185-150A



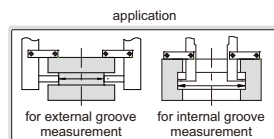
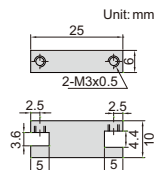
- Measure wall thickness inside bores and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: depth stop (code 6143), data output cable (code 7315-21, 7302-21)

| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|-----------|--------------|----------|----------------|---------------------|
| 1185-150A | 0-150mm/0-6" | ±0.04mm | 7457 | 6711 |

DEPTH STOP FOR CALIPERS



6143

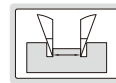


- Supplied in pairs
- Made of stainless steel
- Suitable for caliper series 1124, 1526, 1530, 1520, 1176, 1178, 1178, 1120, 1121, 1187 and 1185

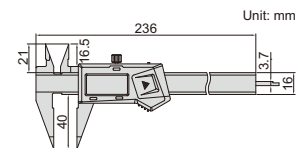
| Code | List Price (₹) | Promotion Price (₹) |
|------|----------------|---------------------|
| 6143 | 747 | 672 |

DIGITAL POINT CALIPER

DATA
OUTPUT



1183-150A



- Pointed jaws fit into small grooves and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)

| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|-----------|--------------|----------|----------------|---------------------|
| 1183-150A | 0-150mm/0-6" | ±0.03mm | 5590 | 4472 |

DIGITAL OFFSET CENTERLINE CALIPERS

DATA
OUTPUT

- Measure hole center distance in the same or offset planes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel

With data interface (data output cable code 7315-21, 7302-21, optional) (mm)

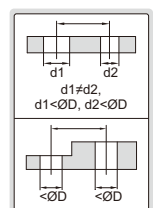
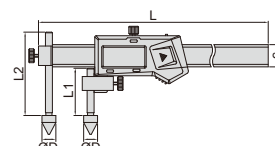
| Code | Range | Accuracy | c | ØD | L1 | L2 | L | List Price (₹) | Promotion Price (₹) |
|-----------|------------------|----------|----|----|----|----|-----|----------------|---------------------|
| 1192-150A | 10-150mm/0.4-6" | ±0.05mm | 16 | 10 | 46 | 79 | 236 | 14401 | 12900 |
| 1192-300A | 10-300mm/0.4-12" | ±0.09mm | 16 | 10 | 46 | 79 | 396 | 20569 | 18412 |

With data interface (data output cable code 7315-22, 7302-22, optional) (mm)

| Code | Range | Accuracy | c | ØD | L1 | L2 | L | List Price (₹) | Promotion Price (₹) |
|-----------|------------------|----------|----|----|----|-----|-----|----------------|---------------------|
| 1192-500A | 20-500mm/0.8-20" | ±0.09mm | 24 | 20 | 52 | 112 | 725 | 43113 | 38430 |



1192-150A



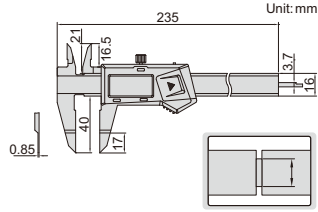
DIGITAL BLADE CALIPER

DATA OUTPUT



1188-150A

- The blade jaws fit into small grooves
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



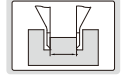
| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|-----------|--------------|----------|----------------|---------------------|
| 1188-150A | 0-150mm/0-6" | ±0.03mm | 5937 | 5441 |

DIGITAL SMALL POINT CALIPER

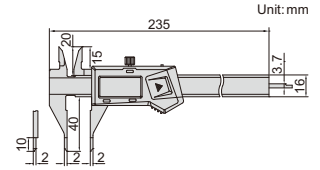
DATA OUTPUT



1169-150



- Small pointed jaws fit into small grooves and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|--------------|----------|----------------|---------------------|
| 1169-150 | 0-150mm/0-6" | ±0.03mm | 5641 | 5077 |

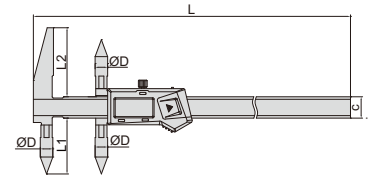
DIGITAL CENTERLINE AND EDGE TO CENTER CALIPERS

DATA OUTPUT

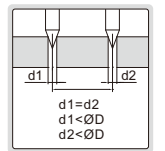
- Accuracy: ±0.08mm
- Measure hole center distance or edge to hole center distance
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



1525-300

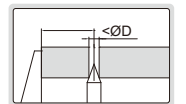


measure hole center distance



(mm)

measure edge to hole center distance



| Code | Range of upper jaw (edge to center) | Range of lower jaw (center to center) | Accuracy | ØD | L1 | L2 | c | L | List Price (₹) | Promotion Price (₹) |
|-----------|-------------------------------------|---------------------------------------|----------|----|------|----|----|------|----------------|---------------------|
| 1525-300 | 5-300mm/0.2-12" | 10-300mm/0.4-12" | ±0.08mm | 10 | 44.5 | 55 | 17 | 410 | 22303 | 20446 |
| 1525-500 | 10-500mm/0.4-20" | 20-500mm/0.8-20" | ±0.09mm | 20 | 50 | 60 | 24 | 690 | 60021 | 54019 |
| 1525-1000 | 15-1000mm/0.6-40" | 30-1000mm/1.2-40" | ±0.12mm | 30 | 70 | 81 | 31 | 1255 | 90166 | 81149 |
| 1525-1500 | 15-1500mm/0.6-60" | 30-1500mm/1.2-60" | ±0.15mm | 30 | 70 | 81 | 31 | 1760 | 145999 | 131399 |

DIGITAL BACK-JAW EDGE TO CENTER CALIPERS

DATA OUTPUT

- Measure edge to hole center distance
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



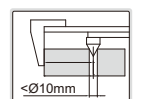
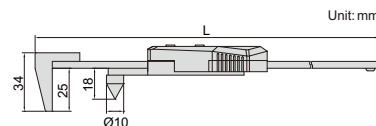
1524-200



back-jaw



| Code | Range | Accuracy | L | List Price (₹) | Promotion Price (₹) |
|----------|-----------------|----------|-------|----------------|---------------------|
| 1524-200 | 5-200mm/0.2-8" | ±0.1mm | 310mm | 18574 | 16717 |
| 1524-300 | 5-300mm/0.2-12" | ±0.1mm | 410mm | 22046 | 19841 |



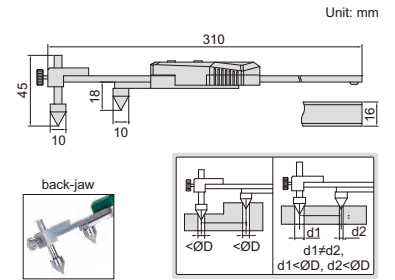
DIGITAL BACK-JAW CENTERLINE CALIPER

- Measure hole center distance in the same or offset planes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



1177-200

DATA OUTPUT



| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|-----------------|----------|----------------|---------------------|
| 1177-200 | 10-200mm/0.4-8" | ±0.10mm | 15905 | 14315 |

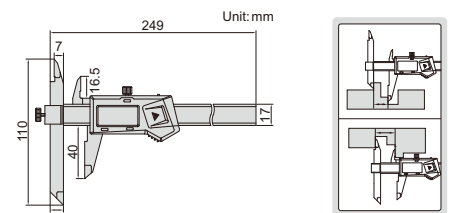
DIGITAL OFFSET CALIPER

- The left jaw can slide up and down to facilitate measurement of stepped sections
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



1186-150A

DATA OUTPUT



| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|-----------|--------------|----------|----------------|---------------------|
| 1186-150A | 0-150mm/0-6" | ±0.04mm | 11893 | 10892 |

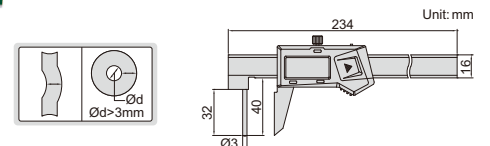
DIGITAL TUBE THICKNESS CALIPER

- Measure wall thickness of tubes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



1161-150A

DATA OUTPUT



| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|-----------|--------------|----------|----------------|---------------------|
| 1161-150A | 0-150mm/0-6" | ±0.05mm | 9068 | 7824 |

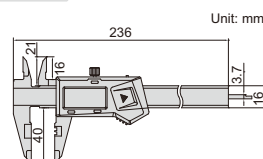
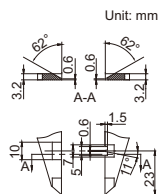
DIGITAL CRIMP HEIGHT CALIPER

- Measure crimp height
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



1165-150A

DATA OUTPUT



| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|-----------|--------------|----------|----------------|---------------------|
| 1165-150A | 0-150mm/0-6" | ±0.03mm | 8693 | 7824 |

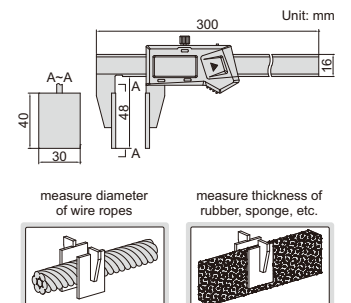
DIGITAL CALIPER WITH LARGE MEASURING FACES

- Measure diameter of wire ropes, and thickness of soft materials like rubber, sponge, etc.
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



1172-200

DATA OUTPUT



| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|--------------|----------|----------------|---------------------|
| 1172-200 | 0-200mm/0-8" | ±0.07mm | 18229 | 16406 |

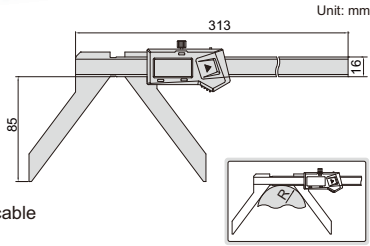
DIGITAL ARC RADIUS CALIPER

DATA OUTPUT



1189-200B

- Accuracy: $\pm 0.07\text{mm}$
- Measure the radius of arc less than half round
- Resolution: $0.01\text{mm}/0.0005''$
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



| Code | Range (R) | List Price (₹) | Promotion Price (₹) |
|-----------|----------------|----------------|---------------------|
| 1189-200B | 5-200mm/0.2-8" | 18743 | 16869 |

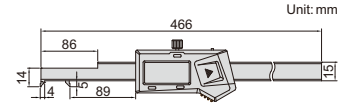
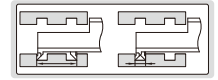
DIGITAL HOOK CALIPER

DATA OUTPUT



1122-300

- Accuracy: $\pm 0.04\text{mm}$
- Measure width and distance of grooves inside bores
- Resolution: $0.01\text{mm}/0.0005''$
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



| Code | Range | List Price (₹) | Promotion Price (₹) |
|----------|------------------|----------------|---------------------|
| 1122-300 | 4-300mm/0.16-12" | 19305 | 17636 |

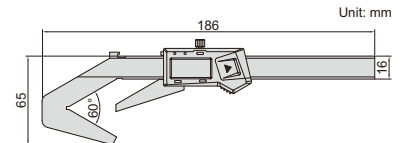
DIGITAL V SHAPE CALIPER

ATTENTION: ACTUAL DIAMETER IS 2/3 OF THE READING

- Measure outside diameter of three number of flutes (such as taps, reamers, end mills and gears)
- Resolution: $0.01\text{mm}/0.0005''$
- Buttons: on/off, set, mm/inch, preset (+, -)
- Battery CR2032, data output
- Automatic power off, move the digital unit to turn on power
- Made of stainless steel



1539-3



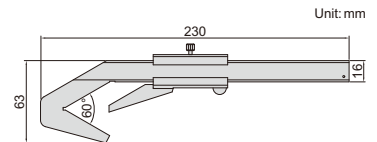
| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|--------|---------------------------------------------|---------------------|----------------|---------------------|
| 1539-3 | $\varnothing 4-40\text{mm}/0.16-1.58''$ DIA | $\pm 0.03\text{mm}$ | 14618 | 13353 |

V SHAPE VERNIER CALIPER

- Measure outside diameter of three number of flutes (such as taps, reamers, end mills and gears)
- Made of stainless steel
- Satin chrome plated reading surface



1273-403

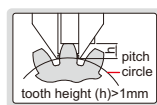


| Code | Range | Graduation | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|-----------------------------|------------|---------------------|----------------|---------------------|
| 1273-403 | $\varnothing 4-40\text{mm}$ | 0.05mm | $\pm 0.05\text{mm}$ | 7138 | 6470 |

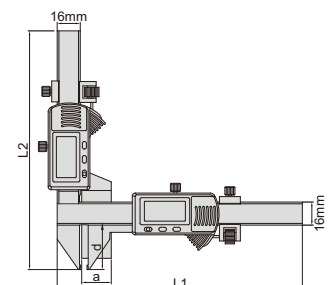
DIGITAL GEAR TOOTH CALIPERS

ATTENTION: NO DATA OUTPUT

- Resolution: $0.01\text{mm}/0.0005''$
- Accuracy of height measurement: $\pm 0.03\text{mm}$
- Accuracy of thickness measurement: $\pm 0.03\text{mm}$
- Carbide tips
- Measure the tooth thickness by positioning the tooth height (for tooth height $> 1\text{mm}$)
- Buttons: zero, on/off, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



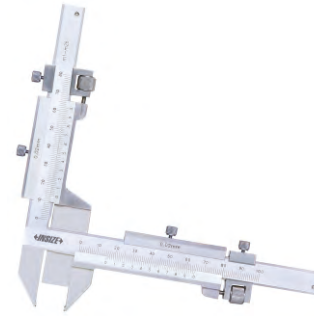
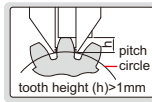
1181-M25A



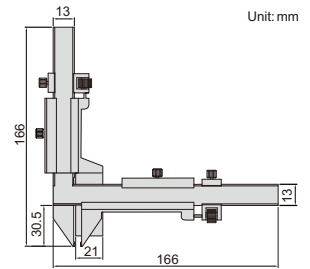
| Code | Range | Total accuracy | L1 | L2 | a | d | List Price (₹) | Promotion Price (₹) |
|-----------|---------|---------------------|-----|-------|------|------|----------------|---------------------|
| 1181-M25A | M1-25mm | $\pm 0.04\text{mm}$ | 170 | 165.5 | 21 | 30.5 | 20445 | 18676 |
| 1181-M50A | M5-50mm | $\pm 0.04\text{mm}$ | 220 | 190 | 50.5 | 55 | 23982 | 21908 |

GEAR TOOTH VERNIER CALIPER

- Graduation: 0.02mm
- Total accuracy: $\pm 0.04\text{mm}$
- Carbide tips
- Measure the tooth thickness by positioning the tooth height (for tooth height $> 1\text{mm}$)
- Made of stainless steel
- Satin chrome plated reading surface



1281-M26A



| Code | Range | Accuracy of height measurement | Accuracy of thickness measurement | List Price (₹) | Promotion Price (₹) |
|-----------|---------|--------------------------------|-----------------------------------|----------------|---------------------|
| 1281-M26A | M1-26mm | $\pm 0.03\text{mm}$ | $\pm 0.03\text{mm}$ | 14645 | 13404 |

IP67 WATERPROOF DIGITAL DEPTH GAGES

- IP67 dust/waterproof
- Resolution: 0.01mm/0.0005"
- Button function: zero, on/off, mm/inch, ABS/REL, hold
- Meet DIN862
- Battery CR2032
- Made of stainless steel



1149-150

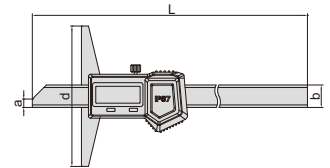
(mm)

ATTENTION: IT IS NECESSARY TO SET ZERO AFTER POWER ON EACH TIME

IP67
WATERPROOF

ATTENTION: NO DATA OUTPUT

| Code | Range | Accuracy | L | a | b | d | List Price (₹) | Promotion Price (₹) |
|----------|---------------|---------------------|-----|---|----|-----|----------------|---------------------|
| 1149-150 | 0-150mm/0-6" | $\pm 0.03\text{mm}$ | 240 | 6 | 16 | 100 | 11766 | 9977 |
| 1149-200 | 0-200mm/0-8" | $\pm 0.03\text{mm}$ | 290 | 6 | 16 | 100 | 16082 | 13653 |
| 1149-300 | 0-300mm/0-12" | $\pm 0.03\text{mm}$ | 390 | 6 | 16 | 150 | 20882 | 17682 |



DIGITAL DEPTH GAGES (STANDARD TYPE)

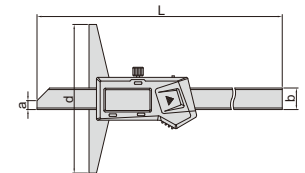
DATA OUTPUT

POPULAR MODEL

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Meet DIN862 (except 0-500mm/0-20")
- Battery CR2032, data output
- Made of stainless steel



1141-150A



(mm)

| Code | Range | Accuracy | L | a | b | d | Data output cable (optional) | List Price (₹) | Promotion Price (₹) |
|------------|---------------|---------------------|-----|---|------|-----|------------------------------|----------------|---------------------|
| 1141-150A | 0-150mm/0-6" | $\pm 0.03\text{mm}$ | 230 | 6 | 14.5 | 100 | 7315-21, 7302-21 | 3799 | 3090 |
| 1141-200A | 0-200mm/0-8" | $\pm 0.03\text{mm}$ | 280 | 6 | 14.5 | 100 | 7315-21, 7302-21 | 4612 | 3752 |
| 1141-300A | 0-300mm/0-12" | $\pm 0.03\text{mm}$ | 380 | 6 | 14.5 | 150 | 7315-21, 7302-21 | 9506 | 7766 |
| 1141-500A | 0-500mm/0-20" | $\pm 0.05\text{mm}$ | 585 | 7 | 15 | 150 | 7315-22, 7302-22 | 19153 | 16472 |
| 1141-5001A | 0-500mm/0-20" | $\pm 0.05\text{mm}$ | 585 | 7 | 15 | 200 | 7315-22, 7302-22 | 29148 | 26233 |

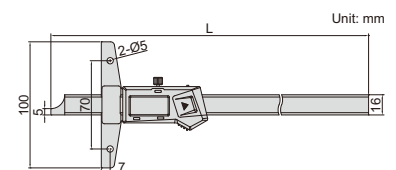
DIGITAL DEPTH GAGES WITH MOUNTING HOLES FOR EXTENSION BASE

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Meet DIN862
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21), extension base (code 6141)



1147-300

DATA OUTPUT



Unit: mm

| Code | Range | Accuracy | L | List Price (₹) | Promotion Price (₹) |
|----------|---------------|---------------------|-------|----------------|---------------------|
| 1147-150 | 0-150mm/0-6" | $\pm 0.03\text{mm}$ | 237mm | 5492 | 4668 |
| 1147-200 | 0-200mm/0-8" | $\pm 0.03\text{mm}$ | 287mm | 6842 | 5816 |
| 1147-300 | 0-300mm/0-12" | $\pm 0.03\text{mm}$ | 403mm | 11523 | 8642 |

extension base (optional)



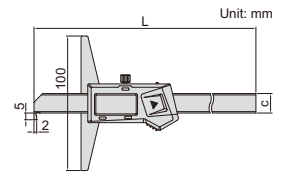
DIGITAL HOOK DEPTH GAGES

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)

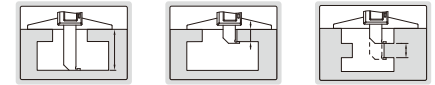


1142-150A

(mm)



DATA OUTPUT



| Code | Range | Accuracy | L | c | List Price (₹) | Promotion Price (₹) |
|-----------|--------------|----------|-----|------|----------------|---------------------|
| 1142-150A | 0-150mm/0-6" | ±0.03mm | 230 | 14.5 | 5567 | 4732 |
| 1142-200A | 0-200mm/0-8" | ±0.03mm | 280 | 14.5 | 6813 | 5927 |

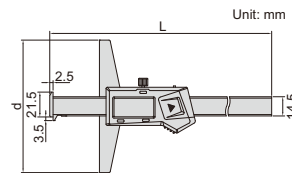
DIGITAL DOUBLE HOOK DEPTH GAGES

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Meet DIN862
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)

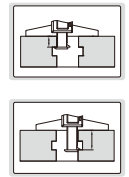


1144-150A

(mm)



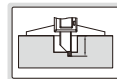
DATA OUTPUT



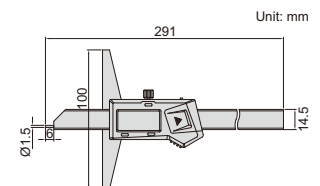
| Code | Range | Accuracy | L | d | List Price (₹) | Promotion Price (₹) |
|-----------|---------------|----------|-----|-----|----------------|---------------------|
| 1144-150A | 0-150mm/0-6" | ±0.03mm | 233 | 100 | 5924 | 5412 |
| 1144-200A | 0-200mm/0-8" | ±0.03mm | 283 | 100 | 7008 | 6307 |
| 1144-300A | 0-300mm/0-12" | ±0.03mm | 383 | 150 | 13922 | 12530 |

DIGITAL POINT DEPTH GAGE

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Meet DIN862
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



1143-200A



DATA OUTPUT

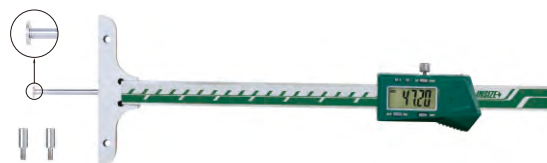
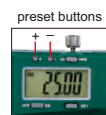
| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|-----------|--------------|----------|----------------|---------------------|
| 1143-200A | 0-200mm/0-8" | ±0.03mm | 8008 | 7207 |

DIGITAL DEPTH GAGE WITH ROUND DEPTH BAR

MEASURE DEPTH OF SMALL HOLES (>Ø4mm) DATA OUTPUT

MEASURE WIDTH AND DEPTH OF GROOVES INSIDE BORE

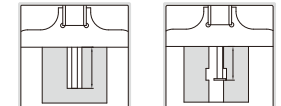
- Resolution: 0.01mm/0.0005"
- Supplied with three interchangeable points (flat, spherical, disk)
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21), extension base (code 6141)



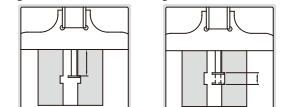
1148-200



measure depth of small holes (>Ø4mm) measure depth of grooves inside bore

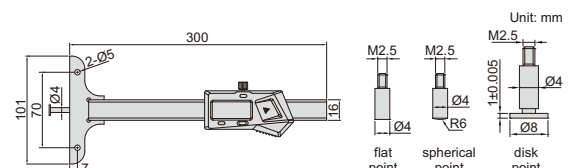


measure depth of grooves inside bore measure width of grooves inside bore



| Code | Range* | Accuracy | Remark | List Price (₹) | Promotion Price (₹) |
|----------|--------------|----------|----------------------------------------|----------------|---------------------|
| 1148-200 | 0-200mm/0-8" | ±0.03mm | with mounting holes for extension base | 16864 | 15205 |

*When disk points are used, the range is reduced by 10mm



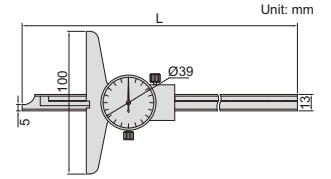
DIAL DEPTH GAGES

- Shockproof dial indicator
- Made of stainless steel



1340-150

SHOCK PROOF



| Code | Range | Graduation | Accuracy | L | List Price (₹) | Promotion Price (₹) |
|----------|---------|------------|----------|-------|----------------|---------------------|
| 1340-150 | 0-150mm | 0.02mm | ±0.03mm | 232mm | 3366 | 3080 |
| 1340-200 | 0-200mm | 0.02mm | ±0.03mm | 282mm | 3685 | 3371 |
| 1340-300 | 0-300mm | 0.02mm | ±0.04mm | 382mm | 4696 | 4256 |

VERNIER DEPTH GAGES (STANDARD TYPE)

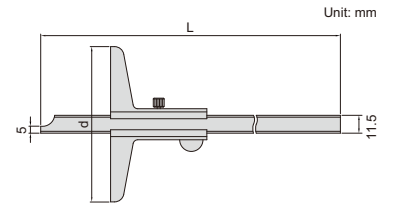
- Made of stainless steel
- Satin chrome plated reading surface



1240-2001

Graduation 0.02mm

| Code | Range | Accuracy | L | d | List Price (₹) | Promotion Price (₹) |
|-----------|---------|----------|-----|-----|----------------|---------------------|
| 1240-1501 | 0-150mm | ±0.03mm | 245 | 100 | 2365 | 1999 |
| 1240-2001 | 0-200mm | ±0.03mm | 282 | 100 | 2447 | 2207 |
| 1240-3001 | 0-300mm | ±0.04mm | 382 | 100 | 3170 | 2858 |
| 1240-5001 | 0-500mm | ±0.05mm | 585 | 150 | 6247 | 5935 |

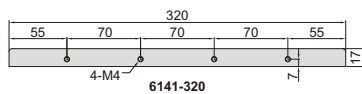
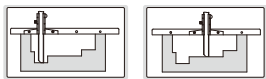
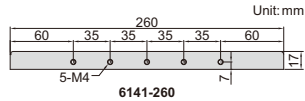


EXTENSION BASES



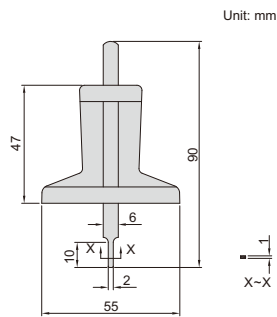
6141-260

- Supplied with two screws
- Made of stainless steel
- Suitable for depth gages series 1147, 1148, 1247, 1248 and 1249



| Code | Length | List Price (₹) | Promotion Price (₹) |
|----------|--------|----------------|---------------------|
| 6141-260 | 260mm | 1916 | 1724 |
| 6141-320 | 320mm | 2492 | 2243 |

VERNIER DEPTH GAGE (ECONOMIC TYPE)



1244-30

- Graduation: 0.1mm
- Made of stainless steel

| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|---------|--------|----------|----------------|---------------------|
| 1244-30 | 0-30mm | ±0.10mm | 1021 | 926 |

MINI DIGITAL DEPTH GAGE

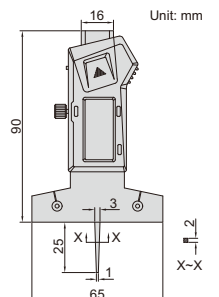
POPULAR MODEL

- Measure depth of small groove and hole, also measure depth of tire tread
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Supplied with zero set surface
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



1145-25A

DATA OUTPUT



| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|-------------|----------|----------------|---------------------|
| 1145-25A | 0-25mm/0-1" | ±0.03mm | 4424 | 3211 |

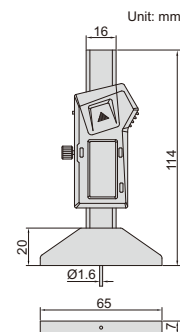
MINI DIGITAL DEPTH GAGE WITH ROUND BAR

DATA OUTPUT

- Measure depth of small groove and hole
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+,-)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



1140-25



| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|---------|-------------|----------|----------------|---------------------|
| 1140-25 | 0-25mm/0-1" | ±0.02mm | 6904 | 4407 |

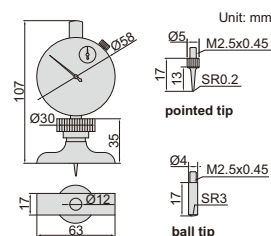
DIAL DEPTH GAGE

- Dial indicator graduation: 0.01mm
- Stainless steel base
- Supplied with pointed tip and ball tip

| Code | Range | Dial indicator stroke | Accuracy | List Price (₹) | Promotion Price (₹) |
|-----------|--------|-----------------------|----------|----------------|---------------------|
| 2341-101A | 0-10mm | 10mm | ±0.017mm | 4821 | 4212 |



2341-101A

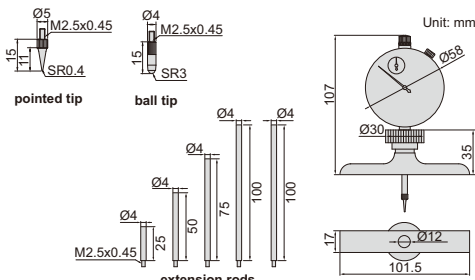


DIAL DEPTH GAGE

- Accuracy: ±0.03mm
- Dial indicator stroke: 30mm
- Dial indicator graduation: 0.01mm
- Stainless steel base
- Extension rods: 25mm (1 pc), 50mm (1 pc), 75mm (1 pc), 100mm (2 pcs)
- Supplied with pointed tip and ball tip
- Optional accessory: granite extension holder (code 2141-10)



2342-202



2141-10 (optional), can be customized according to workpieces

| Code | Range | Base | List Price (₹) | Promotion Price (₹) |
|----------|---------|------------|----------------|---------------------|
| 2342-202 | 0-300mm | 101.5x17mm | 9052 | 7768 |

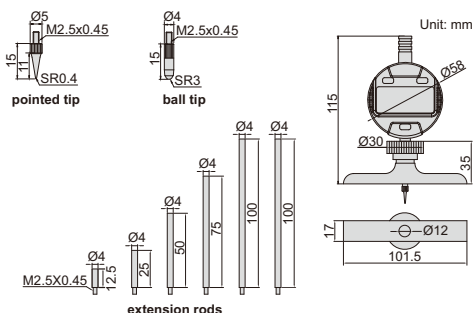
DIGITAL DEPTH GAGE

DATA OUTPUT

- Digital indicator stroke: 12.7mm/0.5"
- Digital indicator resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset, change measuring direction
- CR2032 battery, data output
- Automatic power off (time is adjustable)
- Stainless steel base
- Extension rods: 12.5mm (1 pc), 25mm (1 pc), 50mm (1 pc), 75mm (1 pc), 100mm (2 pcs)
- Supplied with pointed tip and ball tip
- Optional accessory: data output cable (code 7315-50M, 7302-50M), granite extension holder (code 2141-10)



2141-202A



2141-10 (optional), can be customized according to workpieces

| Code | Range | Accuracy | Base | List Price (₹) | Promotion Price (₹) |
|-----------|---------------|----------|------------|----------------|---------------------|
| 2141-202A | 0-300mm/0-12" | ±20µm | 101.5x17mm | 11132 | 8503 |

DIGITAL DEPTH MICROMETERS

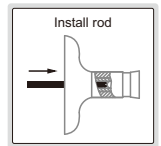
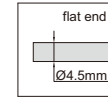
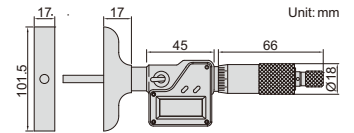
- Micrometer head accuracy: $\pm 3\mu\text{m}$
- Rod accuracy: $\pm(2+L/75)\mu\text{m}$, L is the measuring range in mm
- Button function: on/off, set, mm/inch, data transmit
- IP65 dust/waterproof
- Data output
- Automatic power off
- Rods with flat end
- Ratchet stop
- Optional accessory: data output cable (code 7315-30, 7302-30)



3540-50

DATA OUTPUT

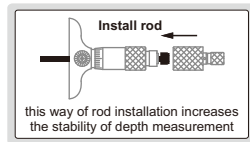
IP65 WATERPROOF



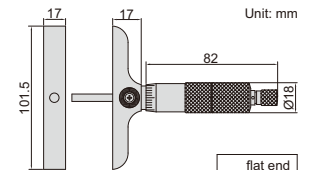
| Code | Range | Resolution | Rods | List Price (₹) | Promotion Price (₹) |
|----------|--------------|------------------|-------|----------------|---------------------|
| 3540-50 | 0-50mm/0-2" | 0.001mm/0.00005" | 2 pcs | 15760 | 12608 |
| 3540-100 | 0-100mm/0-4" | 0.001mm/0.00005" | 4 pcs | 21479 | 17183 |

DEPTH MICROMETERS

- Meet DIN863-2
- Micrometer head accuracy: $\pm 3\mu\text{m}$
- Rod accuracy: $\pm(2+L/75)\mu\text{m}$, L is the measuring range in mm
- Rods with flat end
- Ratchet stop



3241-150



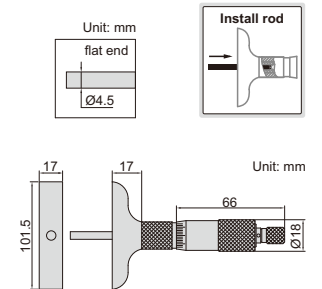
| Code | Range | Rods | Graduation | List Price (₹) | Promotion Price (₹) |
|----------|---------|--------|------------|----------------|---------------------|
| 3241-150 | 0-150mm | 6 pcs | 0.01mm | 9595 | 8392 |
| 3241-300 | 0-300mm | 12 pcs | 0.01mm | 15309 | 13592 |

DEPTH MICROMETERS

- Graduation: 0.01mm
- Meet DIN863-2
- Micrometer head accuracy: $\pm 3\mu\text{m}$
- Rod accuracy: $\pm(2+L/75)\mu\text{m}$, L is the measuring range in mm
- Rods with flat end
- Ratchet stop



3240-25



| Code | Range | Rods | List Price (₹) | Promotion Price (₹) |
|----------|---------|-------|----------------|---------------------|
| 3240-25 | 0-25mm | 1 pc | 3447 | 3148 |
| 3240-100 | 0-100mm | 4 pcs | 5623 | 4970 |

HIGH PRECISION DIGITAL HEIGHT GAGES

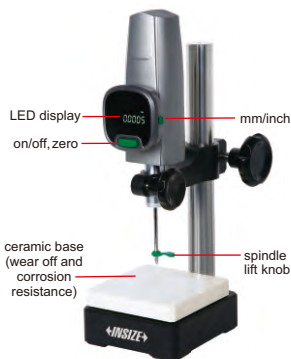
- Range: 0~50mm
- Measuring force: 0.8~1.2N
- Power supply: 5V/1A (adapter or charge pal)
- High stability, high precision, high response speed (5000mm/s)
- High brightness LED display
- Ceramic base flatness: $1\mu\text{m}$



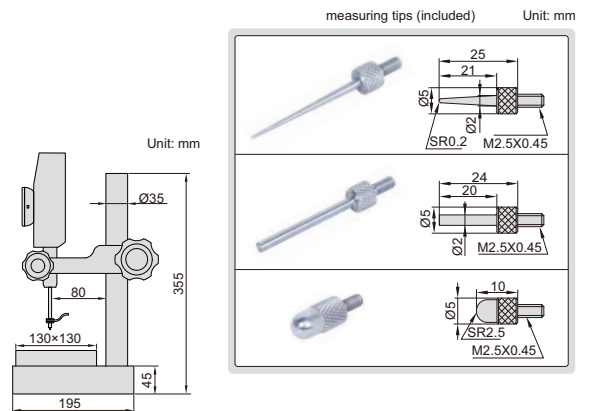
power supplied by charge pal



data transmitted to Excel without software: short press the foot switch to transmit data, long press to zero



1155-505



| Code | Resolution | Accuracy (20°C) | Output | List Price (₹) | Promotion Price (₹) |
|----------|-------------------------------------------------------------------------|-------------------|--------|----------------|---------------------|
| 1155-505 | 0.5 μm /0.00002" (can switch to: 1 μm /0.00005") | 1.5 μm | USB | 178621 | 169690 |
| 1155-510 | 0.1 μm /0.000005" (can switch to: 1 μm /0.00005") | 1 μm | USB | 241941 | 229844 |

STANDARD DELIVERY

| | |
|-----------|------|
| Main unit | 1 pc |
|-----------|------|

DATA OUTPUT



OPTIONAL ACCESSORY

| | |
|-------------------------------------------|------------|
| Contact point | code 6282 |
| Charge pal | 1155-5-POB |
| Data output cable (including foot switch) | 1155-5-FOS |

DIGITAL HEIGHT GAGE

DATA OUTPUT

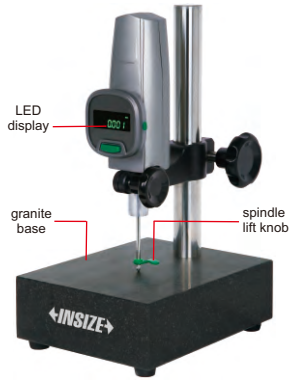
- Measuring force: 0.8~1.2N
- Power supply: 5V/1A (adapter or charge pal)
- Buttons: on/off, zero, mm/inch, mix/min/mix-min
- High response speed (5000mm/s)
- High brightness LED display



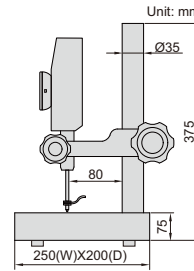
power supplied by charge pal



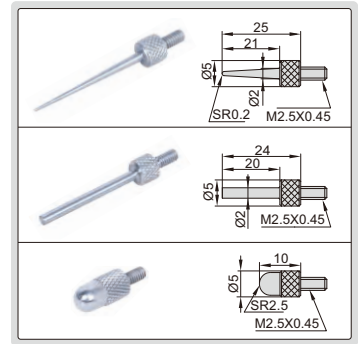
data transmitted to Excel without software



1157-501



measuring tips (included) Unit: mm



| Code | Range | Resolution | Accuracy (20°C) | Output | Base | List Price (₹) | Promotion Price (₹) |
|----------|--------|--------------|-----------------|--------|-------------------------|----------------|---------------------|
| 1157-501 | 0~50mm | 1µm/0.00005" | 3µm | USB | granite (flatness: 2µm) | 100423 | 91948 |



OPTIONAL ACCESSORY

| | |
|-------------------------------------------|------------|
| Contact point | code 6282 |
| Charge pal | 1155-5-POB |
| Data output cable (including foot switch) | 1155-5-FOS |

STANDARD DELIVERY

| | |
|-----------|------|
| Main unit | 1 pc |
|-----------|------|

DIGITAL HEIGHT GAGES

POPULAR MODEL

DATA OUTPUT



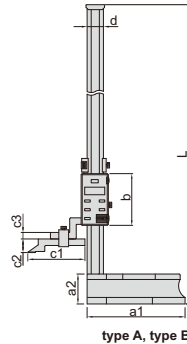
1150-300



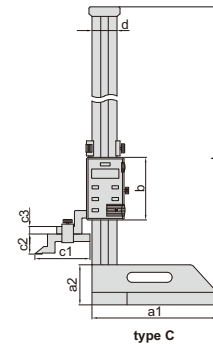
1150-500



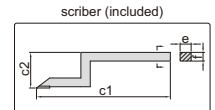
1150-1000



type A, type B

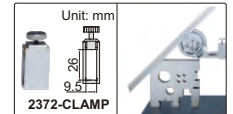


type C



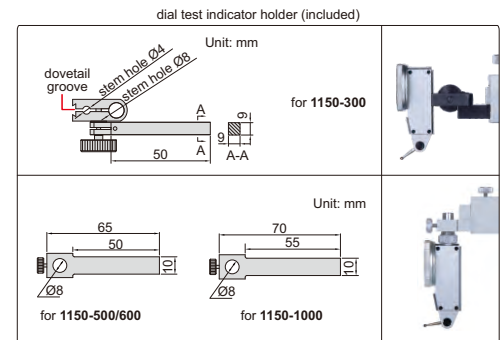
scriber (included)

clamp for protractors (optional) for 1150-300



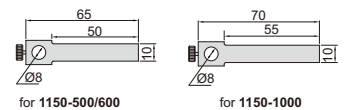
Unit: mm
2372-CLAMP

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, ABS/INC, data hold, TOL, set
- ABS/INC is for absolute and incremental measurement
- TOL is for tolerance measurement
- Carbide tipped scriber
- Made of stainless steel (except the base)
- LR44 battery, data output
- Supplied with dial test indicator holder
- Supplied with dust cover
- Optional accessory: wireless transmitter (code 7315-1150), data output cable (code 7302-SPC7, keyboard format), clamp for protractors (code 2372-CLAMP, for 1150-300)



dial test indicator holder (included) Unit: mm

for 1150-300



for 1150-500/600

for 1150-1000

(mm)

| Code | Range | Type | Accuracy | L | a1 | a2 | b | c1 | c2 | c3 | d | e | f | List Price (₹) | Promotion Price (₹) |
|-----------|----------------|------|----------|------|-----|----|-----|-----|----|----|----|----|----|----------------|---------------------|
| 1150-300 | 0-300mm/0-12" | A | ±0.04mm | 485 | 138 | 45 | 95 | 80 | 30 | 10 | 28 | 9 | 9 | 21502 | 14980 |
| 1150-500 | 0-500mm/0-20" | B | ±0.06mm | 720 | 180 | 55 | 95 | 103 | 25 | 12 | 30 | 10 | 12 | 25853 | 23268 |
| 1150-600 | 0-600mm/0-24" | B | ±0.06mm | 820 | 180 | 55 | 95 | 103 | 25 | 12 | 30 | 10 | 12 | 34036 | 30632 |
| 1150-1000 | 0-1000mm/0-40" | C | ±0.08mm | 1275 | 250 | 80 | 125 | 110 | 39 | 15 | 50 | 10 | 15 | 75813 | 68232 |

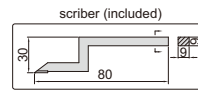
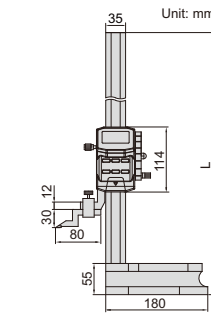
DIGITAL HEIGHT GAGES WITH DRIVING WHEEL

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, preset (+, -), ABS/INC
- Automatic power off, move the digital unit to turn on power
- Carbide tipped scriber
- Made of stainless steel
- Battery CR2032, data output
- Supplied with dust cover
- With dial test indicator holder
- Optional accessory: data output cable (code 7315-22, 7302-22), clamp for protractors (code 2372-CLAMP)

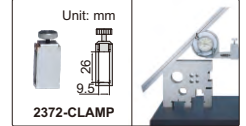
POPULAR MODEL



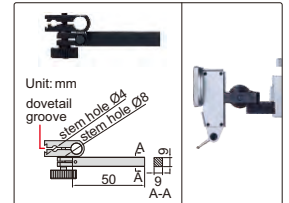
1156-300



clamp for protractors (optional)



dial test indicator holder (included)



| Code | Range | Accuracy | L | List Price (₹) | Promotion Price (₹) |
|-----------|---------------|----------|-------|----------------|---------------------|
| 1156-300* | 0-300mm/0-12" | ±0.03mm | 515mm | 24318 | 21618 |
| 1156-600* | 0-600mm/0-24" | ±0.05mm | 815mm | 38129 | 33774 |

*Supplied with manufacturer inspection certificate

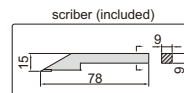
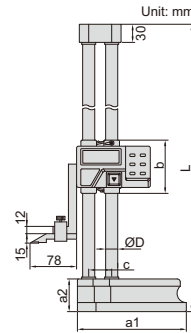
DIGITAL HEIGHT GAGES

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, data hold, ABS/INC, preset
- ABS/INC is for absolute and incremental measurement
- Automatic power off, move the digital unit to turn on power
- Carbide tipped scriber
- Made of stainless steel
- Battery CR2032, data output
- With driving wheel
- With dial test indicator holder
- Supplied with dust cover
- Optional accessory: clamp for protractors (code 2372-CLAMP), wireless transmitter (code 7315-1151), data output cable (code 7302-1151, keyboard format)



1151-300A

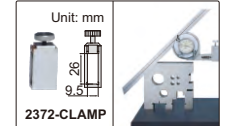
(mm)



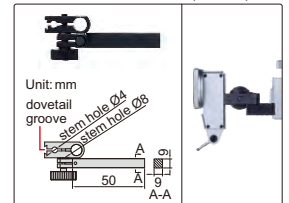
driving wheel on the back



clamp for protractors (optional)



dial test indicator holder (included)

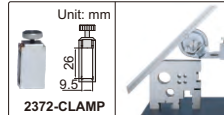


| Code | Range | Accuracy | L | a1 | a2 | b | c | ØD | List Price (₹) | Promotion Price (₹) |
|-----------|---------------|----------|-----|-----|----|----|----|----|----------------|---------------------|
| 1151-300A | 0-300mm/0-12" | ±0.04mm | 475 | 135 | 43 | 84 | 33 | 15 | 32874 | 31559 |
| 1151-600A | 0-600mm/0-24" | ±0.05mm | 810 | 180 | 54 | 88 | 38 | 20 | 51085 | 49042 |

DIAL HEIGHT GAGES

- Dial indicator graduation: 0.01mm
- One counter reads in the plus direction and another in the minus direction, so incremental measurement can be made in either direction
- Carbide tipped scriber
- Made of stainless steel (except the base)
- With driving wheel
- With dial test indicator holder
- Supplied with dust cover
- Optional accessory: clamp for protractors (code 2372-CLAMP)

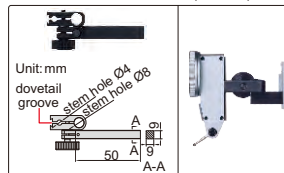
clamp for protractors (optional)



driving wheel on the back

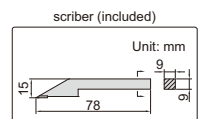


dial test indicator holder (included)

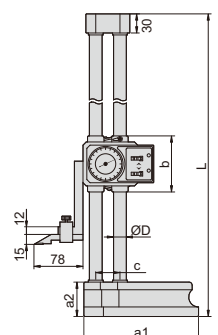


1351-300

(mm)



Unit: mm

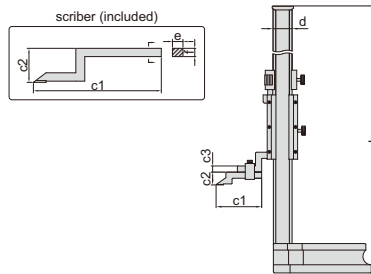
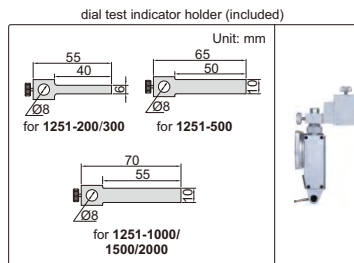


| Code | Range | Accuracy | L | a1 | a2 | b | c | ØD | List Price (₹) | Promotion Price (₹) |
|----------|---------|----------|-----|-----|----|----|----|----|----------------|---------------------|
| 1351-300 | 0-300mm | ±0.04mm | 475 | 135 | 43 | 84 | 33 | 15 | 18609 | 17865 |
| 1351-600 | 0-600mm | ±0.05mm | 810 | 180 | 54 | 88 | 38 | 20 | 34540 | 33504 |

VERNIER HEIGHT GAGES (BASIC TYPE)

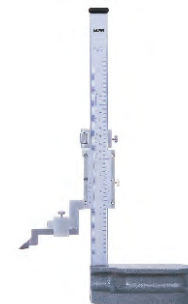
POPULAR MODEL

- Graduation: 0.02mm/0.001"
- Carbide tipped scriber
- Made of stainless steel (except the base)
- Satin chrome plated scale
- With dial test indicator holder
- Supplied with dust cover



(mm)

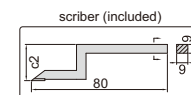
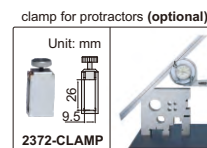
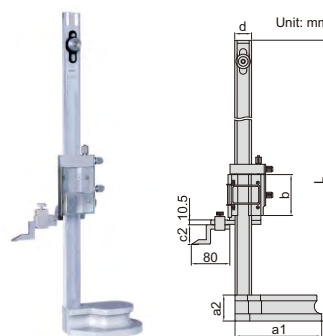
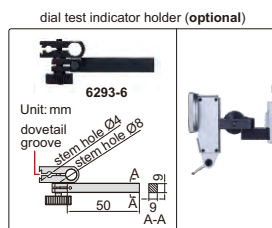
| Code | Range | Accuracy | L | c1 | c2 | c3 | d | e | f | List Price (₹) | Promotion Price (₹) |
|-----------|----------------|----------|------|-----|----|----|----|----|----|----------------|---------------------|
| 1251-200 | 0-200mm/0-8" | ±0.03mm | 370 | 76 | 25 | 10 | 23 | 6 | 8 | 10081 | 8569 |
| 1251-300 | 0-300mm/0-12" | ±0.04mm | 470 | 76 | 25 | 10 | 23 | 6 | 8 | 12631 | 10610 |
| 1251-500 | 0-500mm/0-20" | ±0.05mm | 720 | 105 | 25 | 12 | 30 | 10 | 12 | 17263 | 14674 |
| 1251-1000 | 0-1000mm/0-40" | ±0.07mm | 1275 | 110 | 39 | 15 | 50 | 10 | 15 | 48675 | 46241 |
| 1251-1500 | 0-1500mm/0-60" | ±0.11mm | 1790 | 110 | 39 | 15 | 50 | 10 | 15 | 77236 | 73374 |
| 1251-2000 | 0-2000mm/0-80" | ±0.14mm | 2290 | 110 | 39 | 15 | 50 | 10 | 15 | 147126 | 139770 |



1251-200

VERNIER HEIGHT GAGES

- Graduation: 0.02mm/0.001"
- Adjustable main scale to set zero
- Carbide tipped scriber
- Made of stainless steel (except the base)
- Satin chrome plated scale
- Supplied with magnifier
- With fine adjustment
- Supplied with dust cover
- Optional accessory: dial test indicator holder (code 6293-6), clamp for protractors (code 2372-CLAMP)



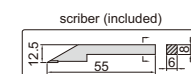
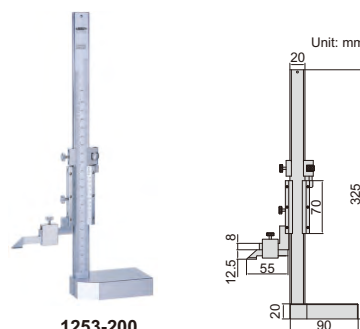
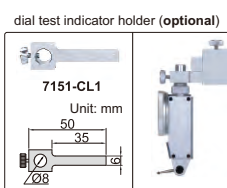
(mm)

| Code | Range | Accuracy | L | a1 | a2 | b | c2 | d | List Price (₹) | Promotion Price (₹) |
|----------|---------------|----------|-----|-----|----|----|----|----|----------------|---------------------|
| 1250-300 | 0-300mm/0-12" | ±0.04mm | 545 | 135 | 43 | 75 | 30 | 28 | 12940 | 11756 |
| 1250-600 | 0-600mm/0-24" | ±0.05mm | 870 | 180 | 54 | 85 | 41 | 35 | 19859 | 18019 |

1250-300

VERNIER HEIGHT GAGE

- Graduation 0.02mm/0.001"
- Carbide tipped scriber
- Made of stainless steel (except the base)
- Satin chrome plated scale
- Optional accessory: dial test indicator holder (code 7151-CL1)



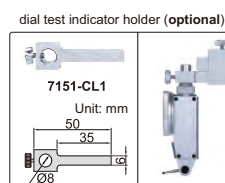
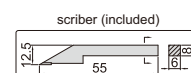
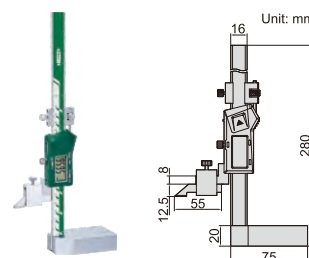
1253-200

| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|--------------|----------|----------------|---------------------|
| 1253-200 | 0-200mm/0-8" | ±0.03mm | 10290 | 8520 |

DIGITAL HEIGHT GAGE

DATA OUTPUT

- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Carbide tipped scriber
- With fine adjustment
- Made of stainless steel
- Battery CR2032, data output
- Optional accessory: data output cable (code 7315-22, 7302-22), dial test indicator holder (code 7151-CL1)

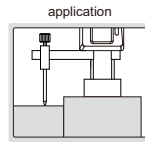


1154-150

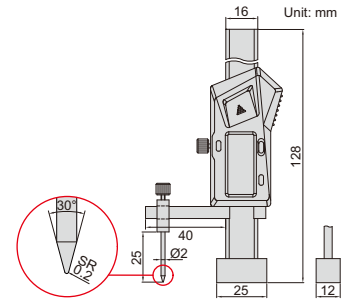
| Code | Range | Accuracy | Resolution | List Price (₹) | Promotion Price (₹) |
|----------|--------------|----------|----------------|----------------|---------------------|
| 1154-150 | 0-150mm/0-6" | ±0.03mm | 0.01mm/0.0005" | 8712 | 6710 |

MINI DIGITAL HEIGHT GAGE

- Measure height difference of two surfaces
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



1146-20A



DATA OUTPUT

| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|-----------------|----------|----------------|---------------------|
| 1146-20A | 0~±20mm/0~±0.8" | ±0.02mm | 6691 | 6113 |

HIGH PRECISION DIGITAL MICROMETERS/SNAP GAGES

ONE TURN OF SLEEVE MAKES 5MM SPINDLE FEED, PRESS THE FORK, THE SPINDLE RETRACTS 3MM

DATA OUTPUT

IP65 WATERPROOF

NON-ROTATING SPINDLE

MEASUREMENT ACCURACY IS NOT AFFECTED BY THE USE OF SLEEVE

ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

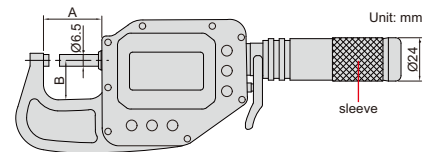
ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING



- Absolute encoder, the original data remains after power off
- Adjustable resolution: 0.0002mm/0.00001"
0.001mm/0.00005"
0.01mm/0.0005"
- One turn of sleeve makes 5mm spindle feed
- Measurement accuracy is not affected by the use of sleeve
- Press the fork, the spindle retracts 3mm
- Linear ball bearings for ten million times use
- Carbide spindle and anvil
- Measuring force 7-10N
Customizable measuring force range 2-12N
Attention: small measuring force will reduce the dustproof and waterproof level
- Button function: data output, tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off, zero, mm/inch, adjust resolution
- Supplied with gage blocks for zero setting (except 0-25mm/0-1")
- Power: rechargeable battery, for 24 hours continuous working



3350-25



With data interface

Optional accessory:
wireless transmitter, code 7315-3350
data output cable (keyboard format), code 7302-3350

(mm)

| Code | Range | Accuracy | Repeatability | Measuring faces | | A | B | List Price (₹) | Promotion Price (₹) |
|-----------|------------------|----------|---------------|-----------------|-------------|-----|----|----------------|---------------------|
| | | | | Flatness | Parallelism | | | | |
| 3350-25* | 0-25mm/0-1" | 1.4µm | 0.6µm | 0.5µm | 1µm | 38 | 24 | 40462 | 35078 |
| 3350-50* | 25-50mm/1-2" | 1.6µm | 1µm | 0.5µm | 1µm | 63 | 28 | 43793 | 38321 |
| 3350-75* | 50-75mm/2-3" | 1.8µm | 1µm | 0.5µm | 1µm | 88 | 45 | 50278 | 43996 |
| 3350-100* | 75-100mm/3-3.95" | 2µm | 1µm | 0.5µm | 1µm | 113 | 57 | 55608 | 48660 |

Built-in wireless

Optional accessory:
receiver (keyboard format, connect up to 15 digital indicators), code 2134-R1
receiver (serial port format, connect up to 15 digital indicators), code 2134-R2

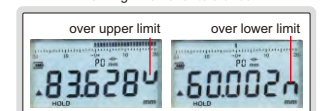
(mm)

| Code | Range | Accuracy | Repeatability | Measuring faces | | A | B | List Price (₹) | Promotion Price (₹) |
|-------------|------------------|----------|---------------|-----------------|-------------|-----|----|----------------|---------------------|
| | | | | Flatness | Parallelism | | | | |
| 3350-25WL* | 0-25mm/0-1" | 1.4µm | 0.6µm | 0.5µm | 1µm | 38 | 24 | 42894 | 37187 |
| 3350-50WL* | 25-50mm/1-2" | 1.6µm | 1µm | 0.5µm | 1µm | 63 | 28 | 46225 | 40450 |
| 3350-75WL* | 50-75mm/2-3" | 1.8µm | 1µm | 0.5µm | 1µm | 88 | 45 | 52943 | 46328 |
| 3350-100WL* | 75-100mm/3-3.95" | 2µm | 1µm | 0.5µm | 1µm | 113 | 57 | 58274 | 50993 |

receiver 2134-R1, 2134-R2 (optional)



warning when over tolerance

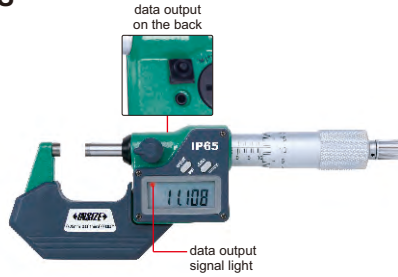


*Supplied with manufacturer inspection certificate

WATERPROOF DIGITAL OUTSIDE MICROMETERS (WITH DATA OUTPUT)

- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Carbide measuring faces
- Ratchet stop
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-30, 7302-30)

POPULAR MODEL

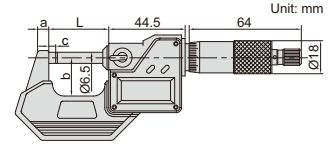


3101-25A

INSPECTION CERTIFICATE

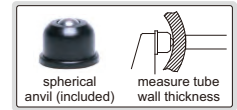
DATA OUTPUT

IP65 WATERPROOF



(mm)

| Code | Range | Accuracy | L | a | b | c | List Price (₹) | Promotion Price (₹) |
|------------|---------------|----------|-------|---|------|---|----------------|---------------------|
| 3101-25A* | 0-25mm/0-1" | ±2µm | 34.5 | 6 | 25 | 3 | 10869 | 9066 |
| 3101-50A* | 25-50mm/1-2" | ±2µm | 59.5 | 8 | 32 | 3 | 11747 | 10016 |
| 3101-75A* | 50-75mm/2-3" | ±3µm | 84.5 | 8 | 44.5 | 3 | 12566 | 10771 |
| 3101-100A* | 75-100mm/3-4" | ±3µm | 109.5 | 8 | 57 | 3 | 13471 | 11634 |



*Supplied with manufacturer inspection certificate

WATERPROOF DIGITAL OUTSIDE MICROMETERS (WITHOUT DATA OUTPUT)

- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- No data output
- Automatic power off
- Carbide measuring faces
- Ratchet stop
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")

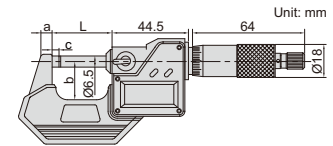


3108-25A

IP65 WATERPROOF

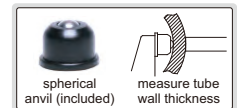
ATTENTION: NO DATA OUTPUT

INSPECTION CERTIFICATE



(mm)

| Code | Range | Accuracy | L | a | b | c | List Price (₹) | Promotion Price (₹) |
|------------|----------------|----------|-------|----|------|-----|----------------|---------------------|
| 3108-25A* | 0-25mm/0-1" | ±2µm | 34.5 | 6 | 25 | 3 | 6624 | 5878 |
| 3108-50A* | 25-50mm/1-2" | ±2µm | 59.5 | 8 | 32 | 3 | 7587 | 6856 |
| 3108-75A* | 50-75mm/2-3" | ±3µm | 84.5 | 8 | 44.5 | 3 | 9266 | 7878 |
| 3108-100A* | 75-100mm/3-4" | ±3µm | 109.5 | 8 | 57 | 3 | 10215 | 8567 |
| 3108-125A | 100-125mm/4-5" | ±3µm | 135 | 10 | 70 | 3 | 11845 | 9565 |
| 3108-150A | 125-150mm/5-6" | ±3µm | 160.5 | 10 | 82 | 3 | 12722 | 10241 |
| 3108-175A | 150-175mm/6-7" | ±4µm | 186 | 12 | 94.5 | 5.5 | 13896 | 11208 |
| 3108-200A | 175-200mm/7-8" | ±4µm | 211.5 | 12 | 107 | 5.5 | 15229 | 12136 |



*Supplied with manufacturer inspection certificate

DIGITAL OUTSIDE MICROMETERS (BASIC TYPE, WITHOUT DATA OUTPUT)

- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, ABS/INC
- No data output
- Automatic power off
- Carbide measuring faces
- Friction thimble
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")

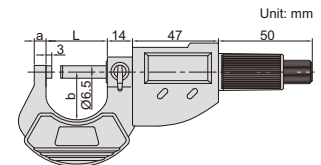


3109-25A

POPULAR MODEL

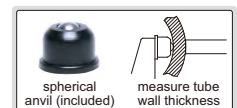
INSPECTION CERTIFICATE

ATTENTION: NO DATA OUTPUT



(mm)

| Code | Range | Accuracy | L | a | b | List Price (₹) | Promotion Price (₹) |
|------------|----------------|----------|-----|----|------|----------------|---------------------|
| 3109-25A* | 0-25mm/0-1" | ±2µm | 32 | 6 | 27.5 | 4510 | 3700 |
| 3109-50A* | 25-50mm/1-2" | ±2µm | 57 | 8 | 37 | 5941 | 5150 |
| 3109-75A* | 50-75mm/2-3" | ±3µm | 82 | 8 | 50 | 6708 | 5858 |
| 3109-100A* | 75-100mm/3-4" | ±3µm | 107 | 10 | 61 | 7583 | 6621 |
| 3109-125A | 100-125mm/4-5" | ±3µm | 132 | 10 | 73 | 8351 | 6890 |
| 3109-150A | 125-150mm/5-6" | ±3µm | 157 | 10 | 85 | 9266 | 7647 |
| 3109-175A | 150-175mm/6-7" | ±4µm | 182 | 21 | 104 | 10809 | 8952 |
| 3109-200A | 175-200mm/7-8" | ±4µm | 207 | 21 | 117 | 11777 | 9753 |



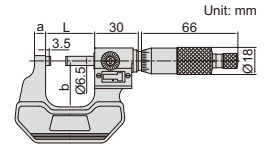
*Supplied with manufacturer inspection certificate

OUTSIDE MICROMETERS WITH COUNTER

- Counter resolution: 0.01mm
- Thimble graduation: 0.01mm
- Carbide measuring faces
- Meet DIN863-1
- Ratchet stop
- Supplied with setting standards (except 0-25mm)



3400-25



| Code | Range | Accuracy | L | a | b | List Price (₹) | Promotion Price (₹) |
|-----------|----------|----------|-------|-----|--------|----------------|---------------------|
| 3400-25* | 0-25mm | 4µm | 32mm | 6mm | 26mm | 4324 | 3917 |
| 3400-50* | 25-50mm | 4µm | 57mm | 8mm | 32mm | 4671 | 4531 |
| 3400-75* | 50-75mm | 5µm | 82mm | 8mm | 44.5mm | 5080 | 4928 |
| 3400-100* | 75-100mm | 5µm | 107mm | 8mm | 57mm | 5658 | 5488 |

*Supplied with manufacturer inspection certificate

OUTSIDE MICROMETERS

- Graduation: 0.01mm
- Carbide measuring faces
- Meet DIN863-1
- Ratchet stop
- Supplied with setting standards (except 0-25mm)



3203-50A

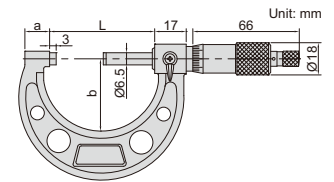


3203-25A

POPULAR MODEL

Individual

| Code | Range | Accuracy | L | a | b | List Price (₹) | Promotion Price (₹) |
|------------|-----------|----------|-----|------|-----|----------------|---------------------|
| 3203-25A* | 0-25mm | ±2µm | 32 | 9 | 28 | 1672 | 1514 |
| 3203-50A* | 25-50mm | ±2µm | 57 | 14 | 38 | 1896 | 1737 |
| 3203-75A* | 50-75mm | ±2µm | 82 | 15 | 49 | 2199 | 1943 |
| 3203-100A* | 75-100mm | ±3µm | 107 | 15 | 60 | 2445 | 2154 |
| 3203-125A | 100-125mm | ±3µm | 133 | 16.5 | 73 | 3127 | 2854 |
| 3203-150A | 125-150mm | ±3µm | 158 | 16.5 | 85 | 3541 | 3233 |
| 3203-175A | 150-175mm | ±4µm | 183 | 19.4 | 104 | 4310 | 3889 |
| 3203-200A | 175-200mm | ±4µm | 209 | 19.4 | 117 | 4774 | 4269 |
| 3203-225A | 200-225mm | ±4µm | 234 | 19.4 | 130 | 4919 | 4451 |
| 3203-250A | 225-250mm | ±5µm | 260 | 19.4 | 142 | 5251 | 4988 |
| 3203-275A | 250-275mm | ±5µm | 285 | 19.4 | 155 | 6117 | 5535 |
| 3203-300A | 275-300mm | ±5µm | 310 | 19.4 | 168 | 6498 | 5880 |



3203-1004A

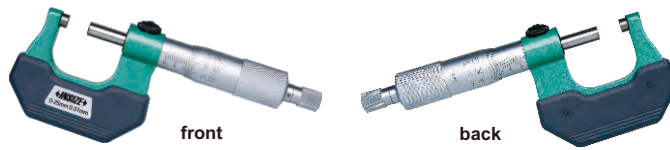
Set

| Code | Range | Micrometers included | Packaging | List Price (₹) | Promotion Price (₹) |
|-------------|---------|---------------------------------------------------------------|-----------------|----------------|---------------------|
| 3203-753A* | 0-75mm | 3203-25A, 3203-50A, 3203-75A | blow mould case | 5542 | 5265 |
| 3203-1004A* | 0-100mm | 3203-25A, 3203-50A, 3203-75A, 3203-100A | blow mould case | 8025 | 7347 |
| 3203-1506A | 0-150mm | 3203-25A, 3203-50A, 3203-75A, 3203-100A, 3203-125A, 3203-150A | blow mould case | 12737 | 12100 |

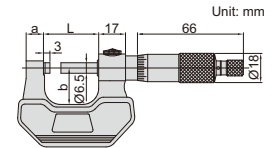
*Supplied with manufacturer inspection certificate

OUTSIDE MICROMETER FOR LEFT OR RIGHT HANDERS

- Graduation 0.01mm
- Graduations on two sides
- Ratchet stop
- Carbide measuring faces
- Meet DIN863-1



3236-25B



| | | | | | | | (mm) | |
|----------|--------|----------|----|---|----|----------------|---------------------|--|
| Code | Range | Accuracy | L | a | b | List Price (₹) | Promotion Price (₹) | |
| 3236-25B | 0-25mm | 4µm | 32 | 6 | 24 | 2311 | 2242 | |

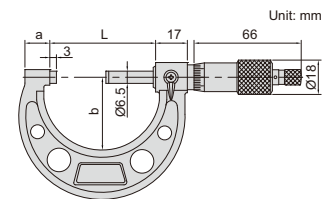
1µm GRADUATION OUTSIDE MICROMETERS



- Graduation: 0.001mm
- Carbide measuring faces
- Meet DIN863-1
- Ratchet stop
- Supplied with setting standards (except 0-25mm)



3210-25A

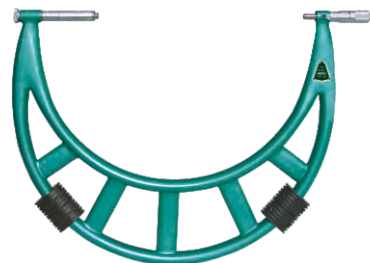
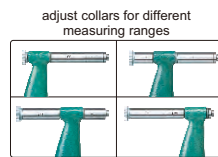


| | | | | | | | | | (mm) | |
|------------|----------|----------|-----|----|----|----------------|---------------------|--|------|--|
| Code | Range | Accuracy | L | a | b | List Price (₹) | Promotion Price (₹) | | | |
| 3210-25A* | 0-25mm | 4µm | 32 | 9 | 28 | 1980 | 1767 | | | |
| 3210-50A* | 25-50mm | 4µm | 57 | 14 | 38 | 2172 | 1950 | | | |
| 3210-75A* | 50-75mm | 5µm | 82 | 15 | 49 | 2302 | 2187 | | | |
| 3210-100A* | 75-100mm | 5µm | 107 | 15 | 60 | 2544 | 2417 | | | |

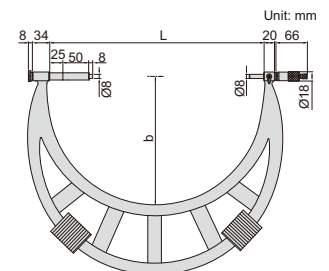
*Supplied with manufacturer inspection certificate

OUTSIDE MICROMETERS WITH EXTENSION ANVIL COLLAR

- Graduation: 0.01mm
- Adjust collars for different measuring ranges
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards



3205-400



setting standard (included)



| | | | | | | | | (mm) | |
|-----------|------------|----------|------|-----|-----------------------------|----------------|---------------------|------|--|
| Code | Range | Accuracy | L | b | Setting standard (included) | List Price (₹) | Promotion Price (₹) | | |
| 3205-400 | 300-400mm | 11µm | 410 | 250 | 325, 375 | 23824 | 21134 | | |
| 3205-500 | 400-500mm | 13µm | 510 | 295 | 425, 475 | 26930 | 23890 | | |
| 3205-600 | 500-600mm | 14µm | 610 | 345 | 525, 575 | 31705 | 28126 | | |
| 3205-700 | 600-700mm | 16µm | 710 | 395 | 625, 675 | 33502 | 32497 | | |
| 3205-800 | 700-800mm | 18µm | 810 | 445 | 725, 775 | 39461 | 38277 | | |
| 3205-900 | 800-900mm | 20µm | 910 | 495 | 825, 875 | 45909 | 44532 | | |
| 3205-1000 | 900-1000mm | 22µm | 1010 | 545 | 925, 975 | 51284 | 49745 | | |

DIGITAL OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS

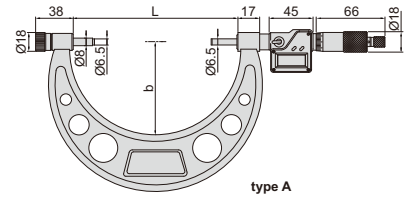
IP65
WATERPROOF

DATA
OUTPUT

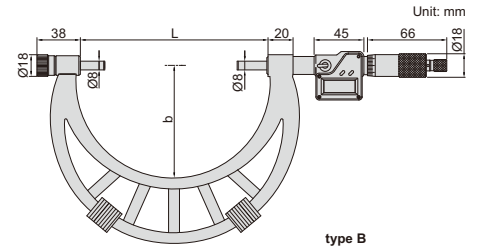
- Resolution 0.001mm/0.0001" (resolution of 3506-150A is 0.001mm/0.00005")
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable (code 7315-30, 7302-30)



3506-400A

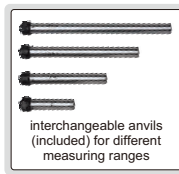
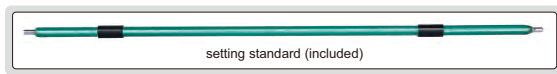


type A



type B

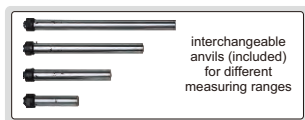
(mm)



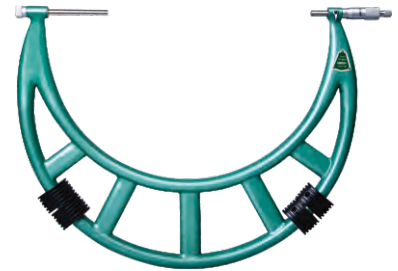
| Code | Range | Type | Accuracy | L | b | Setting standard (included) | List Price (₹) | Promotion Price (₹) |
|-----------|------------------|------|----------|-----|-----|------------------------------|----------------|---------------------|
| 3506-150A | 0-150mm/0-6" | A | ±6µm | 155 | 82 | 25, 50, 75, 100, 125 | 20473 | 17402 |
| 3506-300A | 150-300mm/6-12" | A | ±8µm | 305 | 165 | 150, 175, 200, 225, 250, 275 | 23947 | 20355 |
| 3506-400A | 300-400mm/12-16" | B | ±9µm | 405 | 224 | 325, 375 | 28675 | 24374 |
| 3506-500A | 400-500mm/16-20" | B | ±11µm | 505 | 275 | 425, 475 | 32701 | 27796 |

OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS

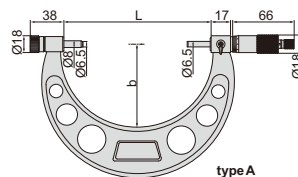
- Graduation: 0.01mm
- Ratchet stop
- Meet DIN863-3
- Carbide measuring faces
- Supplied with setting standards



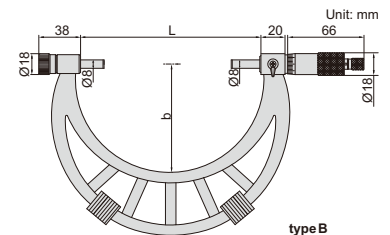
3206-150A



3206-400

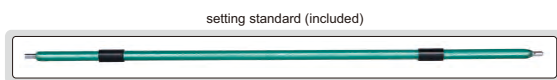


type A



type B

(mm)



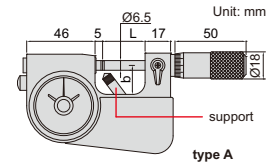
| Code | Range | Type | Accuracy | L | b | Setting standard (included) | List Price (₹) | Promotion Price (₹) |
|-----------|-----------|------|----------|-----|-----|------------------------------|----------------|---------------------|
| 3206-150A | 0-150mm | A | 6µm | 158 | 82 | 25, 50, 75, 100, 125 | 12397 | 11270 |
| 3206-200A | 100-200mm | A | 7µm | 208 | 114 | 100, 125, 150, 175 | 14771 | 13166 |
| 3206-300A | 150-300mm | A | 9µm | 308 | 165 | 150, 175, 200, 225, 250, 275 | 15862 | 13513 |
| 3206-400 | 300-400mm | B | 11µm | 409 | 224 | 325, 375 | 30140 | 22641 |
| 3206-500 | 400-500mm | B | 13µm | 509 | 275 | 425, 475 | 34010 | 25547 |
| 3206-600 | 500-600mm | B | 14µm | 609 | 321 | 525, 575 | 38981 | 29947 |

INDICATING MICROMETERS

ATTENTION: SETTING STANDARDS ARE NOT INCLUDED



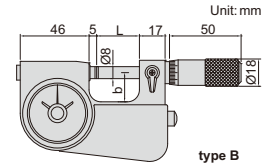
3332-25



type A



3332-25B



type B

- Meet DIN863-3
- Micrometer head graduation: 0.002mm
- Dial indicator: range ± 0.04 mm, graduation 0.001mm, accuracy 0.001mm
- Carbide measuring faces
- Optional accessory: gage blocks grade 0 (4101-A series), for zero setting

(mm)

| Code | Micrometer head range | Micrometer head accuracy | Type | L | b | Remark | List Price (₹) | Promotion Price (₹) |
|----------|-----------------------|--------------------------|------|-------|----|-----------------|----------------|---------------------|
| 3332-25 | 0-25mm | 4 μ m | A | 28.5 | 19 | with support | 21598 | 19666 |
| 3332-50 | 25-50mm | 4 μ m | A | 53.5 | 30 | with support | 24779 | 22301 |
| 3332-75 | 50-75mm | 5 μ m | A | 78.5 | 45 | without support | 28473 | 25626 |
| 3332-100 | 75-100mm | 5 μ m | A | 103.5 | 57 | without support | 32630 | 29367 |
| 3332-25B | 0-25mm | 4 μ m | B | 28.5 | 19 | without support | 21571 | 19414 |

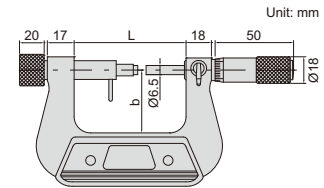
MICROMETERS WITH DIAL INDICATOR

ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS

- Meet DIN863-3
- Micrometer head graduation 0.01mm
- Anvil retracting range: 8mm
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)
- Optional accessory: dial indicators (graduation 0.01mm), digital indicators (resolution 0.01mm/0.0005")



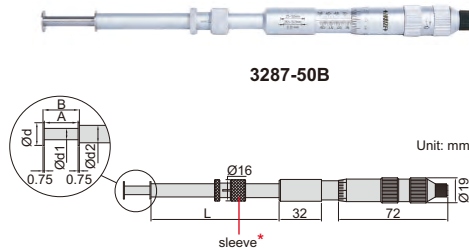
3331-25A



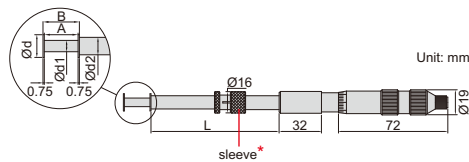
| Code | Micrometer head range | Micrometer head accuracy | L | b | List Price (₹) | Promotion Price (₹) |
|-----------|-----------------------|--------------------------|---------|------|----------------|---------------------|
| 3331-25A | 0-25mm | 4 μ m | 67mm | 38mm | 13106 | 11795 |
| 3331-50A | 25-50mm | 4 μ m | 92.4mm | 50mm | 14150 | 13726 |
| 3331-75A | 50-75mm | 5 μ m | 117.6mm | 62mm | 15033 | 13530 |
| 3331-100A | 75-100mm | 5 μ m | 143mm | 70mm | 15962 | 14366 |

GROOVE MICROMETERS

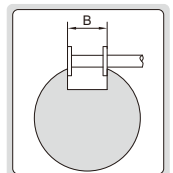
- Measure width of grooves inside bores, measure width of keyway
- Graduation 0.01mm
- Two graduations for inside and outside measurements
- Non-rotating spindle
- Two-directional ratchet stop



3287-50B



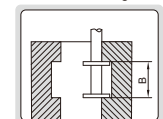
measure width of keyway



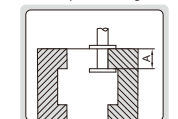
(mm)

| Code | Range (outside A) | Range (inside B) | Accuracy | L | Ød | Ød1 | Ød2 | List Price (₹) | Promotion Price (₹) |
|------------|-------------------|------------------|------------|-----|-----|-----|-----|----------------|---------------------|
| 3287-25B | 0-25mm | 1.6-26.5mm | 10 μ m | 120 | 13 | 6.5 | 10 | 24811 | 21920 |
| 3287-50B | 25-50mm | 26.5-51.5mm | 10 μ m | 120 | 13 | 6.5 | 10 | 29985 | 28486 |
| 3287-75B | 50-75mm | 51.5-76.5mm | 10 μ m | 120 | 13 | 6.5 | 10 | 34534 | 32807 |
| 3287-100B | 75-100mm | 76.5-101.5mm | 10 μ m | 120 | 13 | 6.5 | 10 | 39804 | 37813 |
| 3287-251B* | 0-25mm | 1.6-26.5mm | 10 μ m | 90 | 6.5 | 3 | 5 | 23877 | 22683 |

measure width of groove



measure position of groove



*3287-251B does not have sleeve

CARBIDE 3-WIRES

- When $\varnothing d \leq 0.3\text{mm}$, length $L=25\text{mm}$;
When $\varnothing d > 0.3\text{mm}$, length $L=45\text{mm}$
- Made of carbide
- Hardness HRA90
- Diameter accuracy: $\pm 0.5\mu\text{m}$
- Roundness: $0.5\mu\text{m}$
- Cylindricity: $1\mu\text{m}$
- Supplied with manufacturer inspection certificate



INSPECTION
CERTIFICATE

CUSTOMIZABLE
DIAMETER $\varnothing d$

| Code | Diameter ($\varnothing d$) | Applicable pitch | List Price (₹) | Promotion Price (₹) |
|----------|------------------------------|------------------|----------------|---------------------|
| 7394-64A | 0.290mm | 0.5mm | 9122 | 8666 |
| 7394-65A | 0.335mm | 0.6mm | 5764 | 5476 |
| 7394-66A | 0.390mm | 0.7mm | 5764 | 5476 |
| 7394-67A | 0.455mm | 0.75mm, 0.8mm | 5764 | 5476 |
| 7394-68A | 0.530mm | 0.9mm | 5764 | 5476 |
| 7394-69A | 0.620mm | 1.0mm | 5764 | 5476 |
| 7394-70A | 0.725mm | 1.25mm | 5764 | 5476 |
| 7394-71A | 0.895mm | 1.5mm | 5764 | 5476 |
| 7394-72A | 1.100mm | 1.75mm, 2.0mm | 5668 | 5385 |
| 7394-73A | 1.350mm | 2.5mm | 5668 | 5385 |
| 7394-74A | 1.650mm | 3.0mm | 5668 | 5385 |
| 7394-75A | 2.050mm | 3.5mm | 5620 | 5339 |
| 7394-76A | 2.550mm | 4mm, 4.5mm | 5620 | 5339 |
| 7394-77A | 3.200mm | 5mm, 5.5mm, 6mm | 5620 | 5339 |



7394-76A

DIGITAL SCREW THREAD MICROMETERS

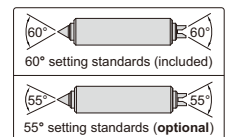
NON-ROTATING
SPINDLE

DATA
OUTPUT

- Measure pitch diameter of screw threads
- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Non-rotating spindle
- Ratchet stop
- Supplied with 60° setting standards (except 0-25mm/0-1")
- 6 pairs of measuring tips (included): metric and unified thread (60° thread angle) 0.4-0.5mm/64-48TPI, 0.6-0.9mm/44-28TPI, 1-1.75mm/24-14TPI, 2-3mm/13-9TPI, 3.5-5mm/8-5TPI, 5.5-7mm/4.5-3.5TPI
- Optional accessory: 55° setting standards, data output cable (code 7315-30, 7302-30)

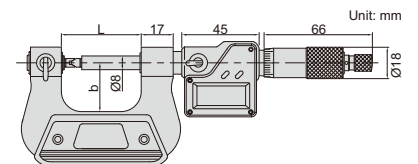
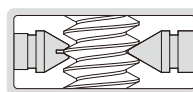


3581-S25
(measuring tips are included)



accuracy of micrometers with tips (mm)

| Pitch | Range | | | |
|---------|-------------|-------------|-------------|-------------|
| | 0-25 | 25-50 | 50-75 | 75-100 |
| 0.4~0.5 | ± 0.01 | - | - | - |
| 0.6~0.8 | ± 0.01 | ± 0.013 | - | - |
| 1~1.25 | ± 0.012 | ± 0.015 | ± 0.017 | ± 0.017 |
| 1.5~2.0 | ± 0.014 | ± 0.017 | ± 0.019 | ± 0.019 |
| 2.5~3.5 | ± 0.016 | ± 0.019 | ± 0.021 | ± 0.021 |
| 4.0~7.0 | - | ± 0.021 | ± 0.023 | ± 0.023 |

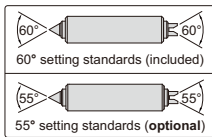


(mm)

| Code | Range | L | b | 55° setting standard (optional) | List Price (₹) | Promotion Price (₹) |
|-----------|---------------|-------|----|---------------------------------|----------------|---------------------|
| 3581-S25 | 0-25mm/0-1" | 42 | 26 | - | 22410 | 20169 |
| 3581-S50 | 25-50mm/1-2" | 67 | 38 | 3281-SP1 | 23500 | 21150 |
| 3581-S75 | 50-75mm/2-3" | 92 | 50 | 3281-SP2 | 24862 | 22375 |
| 3581-S100 | 75-100mm/3-4" | 117.6 | 62 | 3281-SP3 | 25901 | 23311 |

SCREW THREAD MICROMETERS

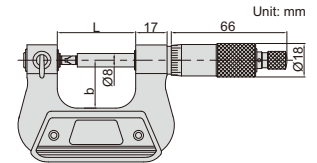
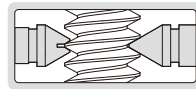
NON-ROTATING SPINDLE



- Graduation: 0.01mm
- Measure pitch diameter of screw threads
- Non-rotating spindle
- Ratchet stop
- Supplied with 60° setting standards (except 0-25mm)
- 6 pairs of measuring tips (included): metric and unified thread (60° thread angle)
0.4-0.5mm/64-48TPI, 0.6-0.9mm/44-28TPI, 1-1.75mm/24-14TPI, 2-3mm/13-9TPI, 3.5-5mm/8-5TPI, 5.5-7mm/4.5-3.5TPI
- Optional accessory: 55° setting standards



3281-S25
(measuring tips are included)



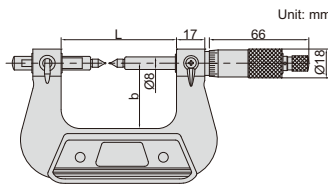
accuracy of micrometers with tips (mm)

| Pitch | Range | | | |
|---------|--------|--------|--------|--------|
| | 0-25 | 25-50 | 50-75 | 75-100 |
| 0.4~0.5 | ±0.01 | - | - | - |
| 0.6~0.8 | ±0.01 | ±0.013 | - | - |
| 1~1.25 | ±0.012 | ±0.015 | ±0.017 | ±0.017 |
| 1.5~2.0 | ±0.014 | ±0.017 | ±0.019 | ±0.019 |
| 2.5~3.5 | ±0.016 | ±0.019 | ±0.021 | ±0.021 |
| 4.0~7.0 | - | ±0.021 | ±0.023 | ±0.023 |

| Code | Range | L | b | 55° setting standard (optional) | List Price (₹) | Promotion Price (₹) |
|-----------|----------|-------|----|---------------------------------|----------------|---------------------|
| 3281-S25 | 0-25mm | 42 | 26 | - | 14884 | 13597 |
| 3281-S50 | 25-50mm | 67 | 38 | 3281-SP1 | 15515 | 13963 |
| 3281-S75 | 50-75mm | 92 | 50 | 3281-SP2 | 16709 | 15038 |
| 3281-S100 | 75-100mm | 117.6 | 62 | 3281-SP3 | 17343 | 15609 |

GEAR TOOTH MICROMETERS

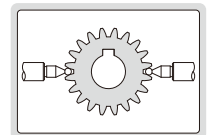
- Meet DIN863-3
- Measure over-pin diameter of gears
- Graduation 0.01mm
- Ratchet stop
- Supplied with setting standards (except 0-25mm)
- Optional accessory: ball tips (code 7391)



ball tips are optional



3291-25



| Code | Range | Accuracy | L | b | List Price (₹) | Promotion Price (₹) |
|----------|----------|----------|-------|----|----------------|---------------------|
| 3291-25 | 0-25mm | 4µm | 67 | 38 | 7795 | 7561 |
| 3291-50 | 25-50mm | 4µm | 92.4 | 50 | 8755 | 8492 |
| 3291-75 | 50-75mm | 5µm | 117.6 | 62 | 9648 | 9359 |
| 3291-100 | 75-100mm | 5µm | 143 | 70 | 11207 | 10871 |

BALL TIPS FOR GEAR TOOTH MICROMETERS



7391-T5

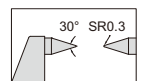
- Supplied in pair
- Suitable for 3291, 3591 series micrometers

| Code | Ball dia. (D) | List Price (₹) | Promotion Price (₹) |
|----------|---------------|----------------|---------------------|
| 7391-T2 | SØ1.5mm | 4581 | 4123 |
| 7391-T3 | SØ2.0mm | 4365 | 4234 |
| 7391-T4 | SØ2.5mm | 4365 | 4234 |
| 7391-T5 | SØ3.0mm | 4365 | 4234 |
| 7391-T6 | SØ3.5mm | 4365 | 4234 |
| 7391-T7 | SØ4.0mm | 4365 | 4234 |
| 7391-T8 | SØ4.5mm | 4365 | 4234 |
| 7391-T9 | SØ5.0mm | 4365 | 4234 |
| 7391-T10 | SØ6.0mm | 4365 | 4234 |

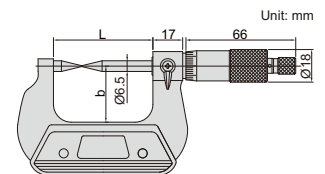
POINT MICROMETERS



3230-25A



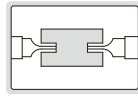
- Graduation 0.01mm
- Measure the web thickness of drills, small grooves and keyways
- Ratchet stop
- Carbide tips
- Supplied with setting standards (except 0-25mm)



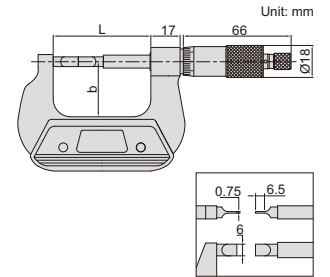
| Code | Range | Accuracy | L | b | List Price (₹) | Promotion Price (₹) |
|-----------|----------|----------|-------|------|----------------|---------------------|
| 3230-25A | 0-25mm | 4µm | 57 | 32 | 4692 | 4286 |
| 3230-50A | 25-50mm | 4µm | 82 | 44.5 | 5111 | 4958 |
| 3230-75A | 50-75mm | 5µm | 107 | 57 | 5645 | 5081 |
| 3230-100A | 75-100mm | 5µm | 132.6 | 69.5 | 6381 | 6190 |

BLADE MICROMETERS

- Meet DIN863-3
- Measure the groove diameter of shafts and keyways
- Graduation: 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with setting standards (except 0-25mm)



NON-ROTATING SPINDLE



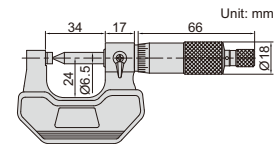
(mm)

3232-25A

| Code | Range | Accuracy | L | b | List Price (₹) | Promotion Price (₹) |
|-----------|----------|----------|-------|------|----------------|---------------------|
| 3232-25A | 0-25mm | 4µm | 57 | 32 | 8350 | 7535 |
| 3232-50A | 25-50mm | 4µm | 82 | 44.5 | 10306 | 9414 |
| 3232-75A | 50-75mm | 5µm | 107 | 57 | 11102 | 10142 |
| 3232-100A | 75-100mm | 5µm | 132.6 | 69.5 | 12010 | 10971 |

CRIMP HEIGHT MICROMETER

- Measure the height of crimp contact
- Graduation 0.01mm
- Ratchet stop

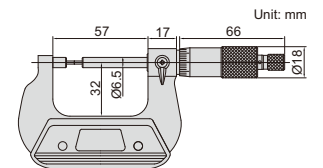
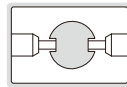


3266-25BA

| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|-----------|--------|----------|----------------|---------------------|
| 3266-25BA | 0-25mm | 4µm | 4946 | 4518 |

SPLINE MICROMETER

- Meet DIN863-3
- Measure splined shafts, slots and keyways
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces



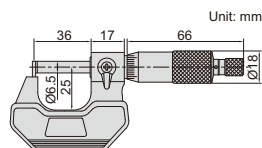
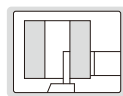
3233-25BA

| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|-----------|--------|----------|----------------|---------------------|
| 3233-25BA | 0-25mm | 4µm | 4854 | 4435 |

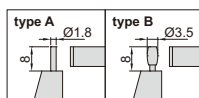
CYLINDRICAL ANVIL TUBE MICROMETERS



3261-25A



- Measure wall thickness of tubes
- Graduation 0.01mm
- Accuracy: 6µm
- Ratchet stop
- Carbide spindle tip
- Supplied with setting standards (except 0-25mm)

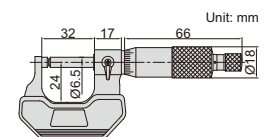
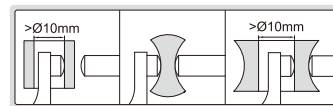


| Code | Range | Type | List Price (₹) | Promotion Price (₹) |
|-----------|--------|------|----------------|---------------------|
| 3261-25A | 0-25mm | A | 3556 | 3143 |
| 3261-25BA | 0-25mm | B | 3810 | 3368 |

SPHERICAL ANVIL TUBE MICROMETER



3260-25SA

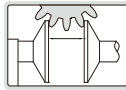


- Meet DIN863-3
- Measure wall thickness of tubes
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces

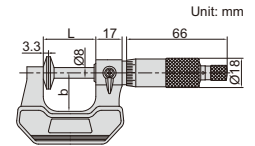
| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|-----------|--------|----------|----------------|---------------------|
| 3260-25SA | 0-25mm | 4µm | 2600 | 2328 |

DISK MICROMETERS

- Parallellism: 5µm
- Measure root tangent length of gear
- Graduation 0.01mm
- Ratchet stop
- Supplied with setting standards

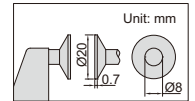


3282-25



(mm)

| Code | Range | Accuracy | L | b | List Price (₹) | Promotion Price (₹) |
|----------|----------|----------|-----|----|----------------|---------------------|
| 3282-25 | 0-25mm | 4µm | 34 | 24 | 5616 | 5121 |
| 3282-50 | 25-50mm | 4µm | 59 | 32 | 6546 | 5986 |
| 3282-75 | 50-75mm | 5µm | 85 | 45 | 7392 | 6753 |
| 3282-100 | 75-100mm | 5µm | 110 | 57 | 8748 | 7992 |

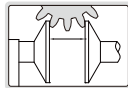


DIGITAL NON-ROTATING SPINDLE DISK MICROMETERS

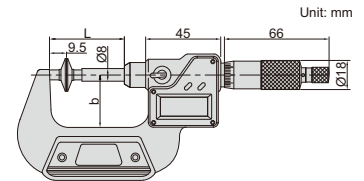
DATA OUTPUT

NON-ROTATING SPINDLE

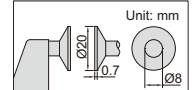
- Measure root tangent length of gear
- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Supplied with setting standards
- Optional accessory: data output cable (code 7315-30, 7302-30)



3594-25A

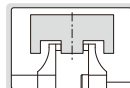


| Code | Range | Accuracy | Parallelism | L | b | List Price (₹) | Promotion Price (₹) |
|-----------|---------------|----------|-------------|---------|--------|----------------|---------------------|
| 3594-25A | 0-25mm/0-1" | ±4µm | 5µm | 43mm | 32mm | 17505 | 15755 |
| 3594-50A | 25-50mm/1-2" | ±4µm | 5µm | 68mm | 44.5mm | 19140 | 17226 |
| 3594-75A | 50-75mm/2-3" | ±5µm | 5µm | 93mm | 57mm | 20890 | 18801 |
| 3594-100A | 75-100mm/3-4" | ±5µm | 5µm | 118.5mm | 70mm | 23188 | 20869 |

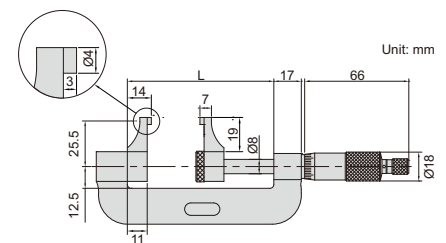


CALIPER TYPE MICROMETER

- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Carbide measuring faces



3238-25



| Code | Range | Accuracy | L | List Price (₹) | Promotion Price (₹) |
|---------|--------|----------|------|----------------|---------------------|
| 3238-25 | 0-25mm | 10µm | 56mm | 9743 | 9451 |

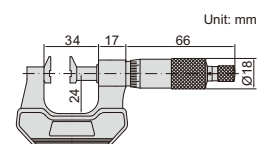
JAW TYPE MICROMETER

NON-ROTATING SPINDLE

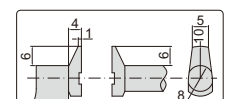
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop



3283-25A

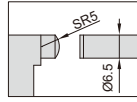
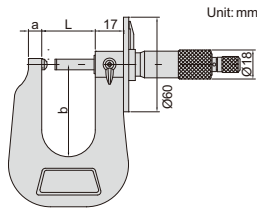


| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|--------|----------|----------------|---------------------|
| 3283-25A | 0-25mm | 4µm | 14482 | 13119 |

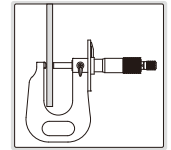


SHEET METAL MICROMETERS

- Meet DIN863-3
- Measure thickness of sheet metal, paper, plastic and rubber parts
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces



3263-25A



| Code | Range | Accuracy | L | a | b | List Price (₹) | Promotion Price (₹) |
|----------|--------|----------|----|---|----|----------------|---------------------|
| 3263-15A | 0-15mm | 4µm | 22 | 8 | 50 | 6891 | 6546 |
| 3263-25A | 0-25mm | 4µm | 32 | 8 | 50 | 7178 | 6460 |

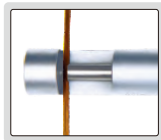
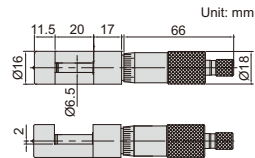
(mm)

WIRE MICROMETER



3285-10

- Meet DIN863-3
- Measure diameter of wires and small balls
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces



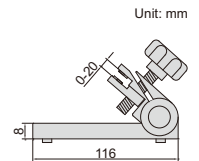
| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|---------|--------|----------|----------------|---------------------|
| 3285-10 | 0-10mm | 4µm | 4762 | 4619 |

MICROMETER STAND



6300

- Suitable for outside micrometers up to 100mm



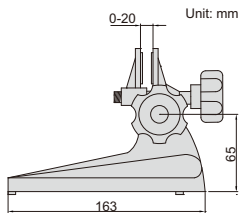
| Code | List Price (₹) | Promotion Price (₹) |
|------|----------------|---------------------|
| 6300 | 2040 | 1938 |

MICROMETER STAND



6301

- Suitable for outside micrometers up to 100mm

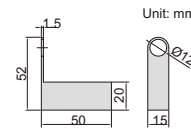


| Code | List Price (₹) | Promotion Price (₹) |
|------|----------------|---------------------|
| 6301 | 1306 | 937 |



6301-1

- Suitable for inside micrometers



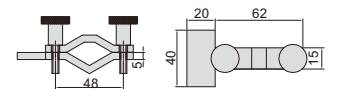
| Code | Description | Applicable products | List Price (₹) | Promotion Price (₹) |
|--------|------------------------------|--------------------------|----------------|---------------------|
| 6301-1 | clamp for inside micrometers | all sizes of 3220 series | 1709 | 1538 |



6301-2



- Suitable for three points internal micrometers



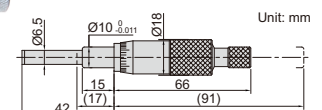
| Code | Description | Applicable products | List Price (₹) | Promotion Price (₹) |
|--------|---------------------------------------------|-------------------------------------|----------------|---------------------|
| 6301-2 | clamp for three points internal micrometers | up to 100mm of 3127 and 3227 series | 4182 | 3764 |

MICROMETER HEAD

- Meet DIN863-2
- Graduation 0.01mm
- Ratchet stop



6381-25W

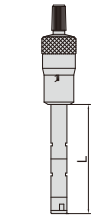


| Code | Range | Stem | Spindle tip | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|--------|-------|----------------|----------|----------------|---------------------|
| 6381-25W | 0-25mm | plain | flat (carbide) | 3µm | 1599 | 1213 |

THREE POINTS INTERNAL MICROMETERS



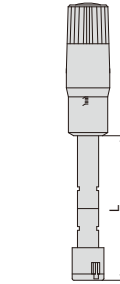
3227-8



Type A
6-12mm, steel
measuring points
three points



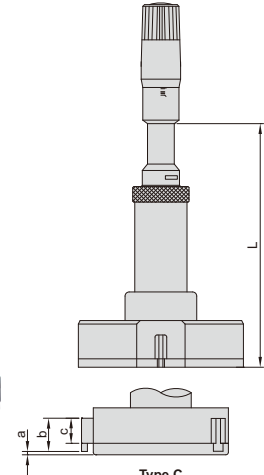
3227-16



Type B
12-50mm, carbide
measuring points
three points



3227-125



Type C
50-200mm, carbide
measuring points
three points

- Meet DIN863-4
- 6-12mm: graduation 0.001mm, 12-200mm: graduation 0.005mm
- Ratchet stop
- Optional accessory: setting rings (code 6312), micrometer stand and clamp (code 6301 and 6301-2)

extension rod (included)



setting ring



6-100mm: included
100-200mm: optional

micrometer stand
with clamp (optional)



Individual

| Code | Range | Type | Accuracy | Setting ring | Extension rod (included) | L | a | b | c | List Price (₹) | Promotion Price (₹) |
|-----------|-----------|------|----------|------------------|--------------------------|------|-----|------|------|----------------|---------------------|
| 3227-8* | 6-8mm | A | 4µm | Ø6mm (included) | 100mm | 54.5 | 1.5 | 2.5 | — | 18339 | 16705 |
| 3227-10* | 8-10mm | A | 4µm | Ø8mm (included) | 100mm | 54.5 | 1.5 | 2.5 | — | 18339 | 16705 |
| 3227-12* | 10-12mm | A | 4µm | Ø10mm (included) | 100mm | 54.5 | 1.5 | 2.5 | — | 18339 | 16705 |
| 3227-16* | 12-16mm | B | 4µm | Ø16mm (included) | 150mm | 80 | 0.5 | 6 | 4.5 | 13650 | 12389 |
| 3227-20* | 16-20mm | B | 4µm | Ø16mm (included) | 150mm | 80 | 0.5 | 6 | 4.5 | 13650 | 12389 |
| 3227-25* | 20-25mm | B | 4µm | Ø25mm (included) | 150mm | 90 | 0.5 | 8 | 6 | 19115 | 17415 |
| 3227-30* | 25-30mm | B | 4µm | Ø25mm (included) | 150mm | 90 | 0.5 | 8 | 6 | 19115 | 17415 |
| 3227-40* | 30-40mm | B | 4µm | Ø40mm (included) | 150mm | 97 | 0.5 | 14 | 12 | 20975 | 19104 |
| 3227-50* | 40-50mm | B | 5µm | Ø40mm (included) | 150mm | 97 | 0.5 | 14 | 12 | 24280 | 22187 |
| 3227-63* | 50-63mm | C | 5µm | Ø62mm (included) | 150mm | 114 | 0.5 | 17.5 | 14.5 | 26371 | 24020 |
| 3227-75* | 62-75mm | C | 5µm | Ø62mm (included) | 150mm | 114 | 0.5 | 17.5 | 14.5 | 28281 | 25767 |
| 3227-88* | 75-88mm | C | 5µm | Ø87mm (included) | 150mm | 114 | 0.5 | 17.5 | 14.5 | 29524 | 26930 |
| 3227-100* | 87-100mm | C | 5µm | Ø87mm (included) | 150mm | 114 | 0.5 | 17.5 | 14.5 | 30672 | 28005 |
| 3227-125* | 100-125mm | C | 6µm | optional | 150mm | 140 | 0.9 | 29 | 25 | 32861 | 31875 |
| 3227-150* | 125-150mm | C | 6µm | optional | 150mm | 140 | 0.9 | 29 | 25 | 38847 | 37682 |
| 3227-175* | 150-175mm | C | 7µm | optional | 150mm | 140 | 0.9 | 29 | 25 | 46900 | 45493 |
| 3227-200* | 175-200mm | C | 7µm | optional | 150mm | 140 | 0.9 | 29 | 25 | 55588 | 53920 |



3227-504

Set

| Code | Range | Micrometers included | Setting ring (included) | Extension rod (included) | List Price (₹) | Promotion Price (₹) |
|------------|----------|-------------------------------------|-------------------------|--------------------------|----------------|---------------------|
| 3227-123* | 6-12mm | 6-8mm, 8-10mm, 10-12mm | Ø6mm, Ø8mm, Ø10mm | 100mm | 50730 | 46308 |
| 3227-202* | 12-20mm | 12-16mm, 16-20mm | Ø16mm | 150mm | 25788 | 23489 |
| 3227-504* | 20-50mm | 20-25mm, 25-30mm, 30-40mm, 40-50mm | Ø25mm, Ø40mm | 150mm | 72368 | 65843 |
| 3227-1004* | 50-100mm | 50-63mm, 62-75mm, 75-88mm, 87-100mm | Ø62mm, Ø87mm | 150mm | 94479 | 86455 |

*Supplied with manufacturer inspection certificate

DIGITAL TWO POINTS/THREE POINTS INTERNAL MICROMETERS

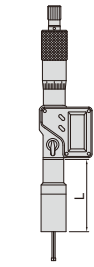
IP65
WATERPROOF

DATA
OUTPUT

INSPECTION
CERTIFICATE



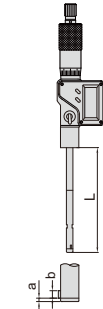
3127-5



type A
2-6mm, carbide
measuring points
two points



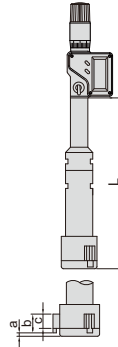
3127-12



type A
6-12mm, steel
measuring points
three points



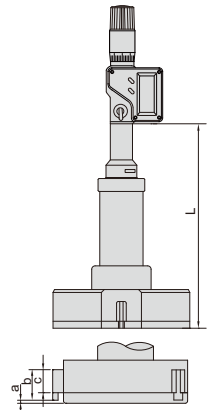
3127-40



type B
12-50mm, carbide
measuring points
three points



3127-125



type C
50-300mm, carbide
measuring points
three points

- Resolution 0.001mm/0.00005"
(resolution of **3127-275** and **3127-300** is 0.001mm/0.0001")
- IP65 dust/waterproof
- Buttons: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Optional accessory:
data output cable (code **7315-30**, **7302-30**),
setting ring (code **6312**), micrometer stand
and clamp (code **6301** and **6301-2**)

extension rod (included)



setting ring



2-100mm: included
100-300mm: optional

micrometer stand
with clamp (optional)



Individual

(mm)

| Code | Range | Type | Accuracy | Setting ring | Extension rod (included) | L | a | b | c | List Price (₹) | Promotion Price (₹) |
|-------------------|------------------------|------------------|----------|-----------------|--------------------------|-----|-----|------|------|----------------|---------------------|
| 3127-2 * | 2-2.5mm/0.08-0.10" | A (two points) | 6µm | Ø2.5 (included) | — | 12 | — | — | — | 41173 | 37056 |
| 3127-3 * | 2.5-3mm/0.10-0.12" | A (two points) | 6µm | Ø2.5 (included) | — | 12 | — | — | — | 41588 | 37429 |
| 3127-4 * | 3-4mm/0.12-0.16" | A (two points) | 6µm | Ø4 (included) | — | 22 | — | — | — | 40253 | 36228 |
| 3127-5 * | 4-5mm/0.16-0.20" | A (two points) | 6µm | Ø5 (included) | — | 22 | — | — | — | 40253 | 36228 |
| 3127-6 * | 5-6mm/0.20-0.24" | A (two points) | 6µm | Ø6 (included) | — | 22 | — | — | — | 38999 | 35099 |
| 3127-8 * | 6-8mm/0.24-0.31" | B (three points) | 4µm | Ø6 (included) | 100 | 57 | 1.5 | 2.5 | — | 28223 | 26073 |
| 3127-10 * | 8-10mm/0.31-0.39" | B (three points) | 4µm | Ø8 (included) | 100 | 57 | 1.5 | 2.5 | — | 28223 | 26341 |
| 3127-12 * | 10-12mm/0.39-0.47" | B (three points) | 4µm | Ø10 (included) | 100 | 57 | 1.5 | 2.5 | — | 28223 | 26341 |
| 3127-16 * | 12-16mm/0.47-0.63" | C (three points) | 4µm | Ø16 (included) | 150 | 99 | 0.5 | 6 | 4.5 | 28959 | 27511 |
| 3127-20 * | 16-20mm/0.63-0.79" | C (three points) | 4µm | Ø16 (included) | 150 | 99 | 0.5 | 6 | 4.5 | 28959 | 28090 |
| 3127-25 * | 20-25mm/0.79-0.98" | C (three points) | 4µm | Ø25 (included) | 150 | 105 | 0.5 | 8 | 6 | 30156 | 29251 |
| 3127-30 * | 25-30mm/0.98-1.18" | C (three points) | 4µm | Ø25 (included) | 150 | 105 | 0.5 | 8 | 6 | 30156 | 29251 |
| 3127-40 * | 30-40mm/1.18-1.57" | C (three points) | 4µm | Ø40 (included) | 150 | 110 | 0.5 | 14 | 12 | 33238 | 32241 |
| 3127-50 * | 40-50mm/1.57-1.97" | C (three points) | 5µm | Ø40 (included) | 150 | 110 | 0.5 | 14 | 12 | 33238 | 31576 |
| 3127-63 * | 50-63mm/1.97-2.48" | D (three points) | 5µm | Ø62 (included) | 150 | 127 | 0.5 | 17.5 | 14.5 | 35821 | 32239 |
| 3127-75 * | 62-75mm/2.44-2.95" | D (three points) | 5µm | Ø62 (included) | 150 | 127 | 0.5 | 17.5 | 14.5 | 37915 | 34124 |
| 3127-88 * | 75-88mm/2.95-3.46" | D (three points) | 5µm | Ø87 (included) | 150 | 127 | 0.5 | 17.5 | 14.5 | 39410 | 35469 |
| 3127-100 * | 87-100mm/3.43-3.94" | D (three points) | 5µm | Ø87 (included) | 150 | 127 | 0.5 | 17.5 | 14.5 | 40995 | 36896 |
| 3127-125 * | 100-125mm/3.94-4.92" | D (three points) | 6µm | optional | 150 | 175 | 0.9 | 29 | 25 | 42237 | 40970 |
| 3127-150 * | 125-150mm/4.92-5.91" | D (three points) | 6µm | optional | 150 | 175 | 0.9 | 29 | 25 | 48519 | 47063 |
| 3127-175 * | 150-175mm/5.91-6.89" | D (three points) | 7µm | optional | 150 | 175 | 0.9 | 29 | 25 | 56570 | 54873 |
| 3127-200 * | 175-200mm/6.89-7.87" | D (three points) | 7µm | optional | 150 | 175 | 0.9 | 29 | 25 | 65962 | 63983 |
| 3127-225 | 200-225mm/7.87-8.86" | D (three points) | 8µm | optional | 150 | 175 | 0.9 | 29 | 25 | 78948 | 76580 |
| 3127-250 | 225-250mm/8.86-9.84" | D (three points) | 8µm | optional | 150 | 175 | 0.9 | 29 | 25 | 92457 | 89683 |
| 3127-275 | 250-275mm/9.84-10.83" | D (three points) | 9µm | optional | 150 | 175 | 0.9 | 29 | 25 | 108041 | 104800 |
| 3127-300 | 275-300mm/10.83-11.81" | D (three points) | 9µm | optional | 150 | 175 | 0.9 | 29 | 25 | 126210 | 122424 |

To be continued

Continued from previous page



3127-202

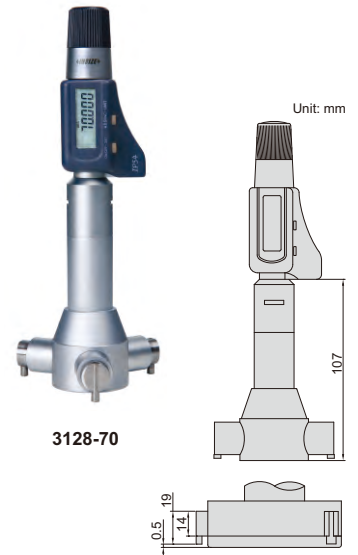
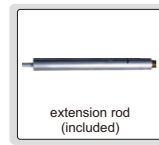
| Code | Range | Micrometers included | Setting ring (included) | Extension rod (included) | List Price (₹) | Promotion Price (₹) |
|-------------|---------------------|-------------------------------------|-------------------------|--------------------------|----------------|---------------------|
| 3127-232 * | 2-3mm/0.08-0.12" | 2-2.5mm, 2.5-3mm | Ø2.5mm | — | 81561 | 73405 |
| 3127-363 * | 3-6mm/0.12-0.24" | 3-4mm, 4-5mm, 5-6mm | Ø4mm, Ø5mm, Ø6mm | — | 120458 | 102389 |
| 3127-123 * | 6-12mm/0.24-0.47" | 6-8mm, 8-10mm, 10-12mm | Ø6mm, Ø8mm, Ø10mm | 100mm | 78398 | 73172 |
| 3127-202 * | 12-20mm/0.47-0.79" | 12-16mm, 16-20mm | Ø16mm | 150mm | 52987 | 51397 |
| 3127-504 * | 20-50mm/0.79-1.97" | 20-25mm, 25-30mm, 30-40mm, 40-50mm | Ø25mm, Ø40mm | 150mm | 11110 | 107777 |
| 3127-1004 * | 50-100mm/1.97-3.94" | 50-63mm, 62-75mm, 75-88mm, 87-100mm | Ø62mm, Ø87mm | 150mm | 130242 | 117218 |

*Supplied with manufacturer inspection certificate

DIGITAL WIDE RANGE THREE POINTS INTERNAL MICROMETERS

IP54 WATERPROOF **DATA OUTPUT** **INSPECTION CERTIFICATE**

- Meet DIN863-4
- Resolution 0.001mm/0.00005" (resolution of 3128-300 is 0.001mm/0.0001")
- IP54 dust/waterproof
- Buttons: on/off, set, mm/inch, ABS/INC
- Data output, automatic power off
- Carbide measuring faces
- Ratchet stop
- Supplied with extension rods
- Setting rings are included (except 200-300mm)
- Optional accessory: data output cable (code 7315-30, 7302-30)



3128-70

| Code | Range | Accuracy | Setting ring | Extension rod (included) | List Price (₹) | Promotion Price (₹) |
|------------|-----------------------|----------|-------------------|--------------------------|----------------|---------------------|
| 3128-70 * | 50-70mm/1.97-2.76" | 5µm | Ø50mm (included) | 150mm | 34878 | 31390 |
| 3128-100 * | 70-100mm/2.76-3.94" | 5µm | Ø70mm (included) | 150mm | 48985 | 44087 |
| 3128-150 * | 100-150mm/3.94-5.91" | 6µm | Ø100mm (included) | 150mm | 82494 | 74245 |
| 3128-250 * | 150-250mm/5.91-9.84" | 8µm | Ø150mm (included) | 150mm | 166845 | 150161 |
| 3128-300 * | 200-300mm/7.87-11.81" | 9µm | Ø200mm (optional) | 150mm | 232356 | 209120 |

*Supplied with manufacturer inspection certificate

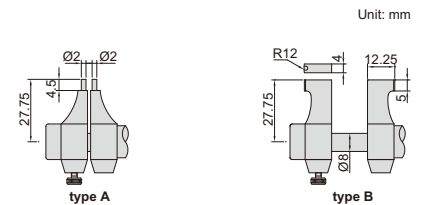
INSIDE MICROMETERS (ECONOMIC TYPE)

ATTENTION: LOW PARALLELISM OF TWO MEASURING FACES

- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces
- Optional accessory: setting ring (code 6312), micrometer stand and clamp (code 6301 and 6301-1)

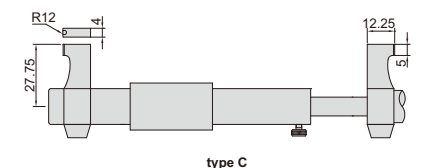


3220-50



| Code | Range | Type | Setting ring | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|----------|------|-----------------|----------|----------------|---------------------|
| 3220-30 | 5-30mm | A | 5mm (included) | 7µm | 4759 | 4289 |
| 3220-50 | 25-50mm | B | 25mm (included) | 8µm | 5509 | 4869 |
| 3220-75 | 50-75mm | B | 50mm (optional) | 9µm | 6410 | 5667 |
| 3220-100 | 75-100mm | C | 75mm (optional) | 10µm | 7202 | 6366 |

micrometer stand with clamp (optional)



DIGITAL INSIDE MICROMETERS (ECONOMIC TYPE)

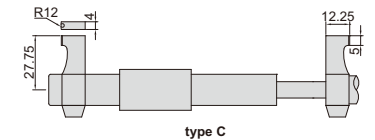
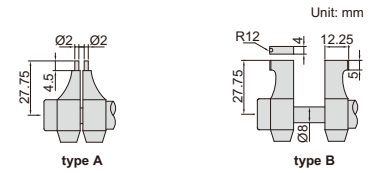
DATA
OUTPUT

ATTENTION: LOW PARALLELISM
OF TWO MEASURING FACES

- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide measuring faces
- Optional accessory: data output cable (code 7315-30, 7302-30), setting ring (code 6312)



3520-30



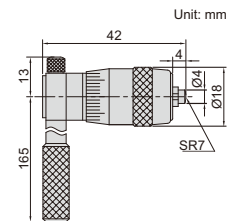
| Code | Range | Type | Setting ring | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|-----------------|------|-----------------|----------|----------------|---------------------|
| 3520-30 | 5-30mm/0.2-1.2" | A | 5mm (included) | ±5μm | 16680 | 12800 |
| 3520-50 | 25-50mm/1-2" | B | 25mm (included) | ±6μm | 13290 | 12891 |
| 3520-75 | 50-75mm/2-3" | B | 50mm (optional) | ±7μm | 17380 | 15642 |
| 3520-100 | 75-100mm/3-4" | C | 75mm (optional) | ±8μm | 18175 | 16358 |

TUBULAR INSIDE MICROMETERS

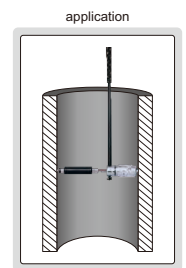
- Graduation: 0.01mm
- Accuracy: (6+L/50)μm
L=maximum measuring length (mm)
- Optional accessory: setting ring (code 6312), gage block accessory (code 6881), cylinder gage block (code 4001), caliper/height gage checker (code 6884)



3221-200



| Code | Range | Travel of micrometer head | Extension rods | List Price (₹) | Promotion Price (₹) |
|-----------|------------|---------------------------|----------------|----------------|---------------------|
| 3221-32 | 25-32mm | 7mm | — | 6761 | 6117 |
| 3221-50 | 25-50mm | 7mm | 2 pcs | 7985 | 7187 |
| 3221-63 | 50-63mm | 13mm | — | 7050 | 6345 |
| 3221-200 | 50-200mm | 13mm | 6 pcs | 10419 | 9377 |
| 3221-300 | 50-300mm | 13mm | 10 pcs | 11665 | 10499 |
| 3221-225 | 200-225mm | 25mm | — | 9739 | 8765 |
| 3221-500 | 200-500mm | 25mm | 3 pcs | 14017 | 12615 |
| 3221-1000 | 200-1000mm | 25mm | 8 pcs | 43343 | 41279 |

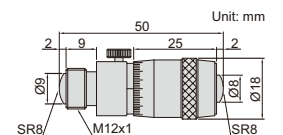


TUBULAR INSIDE MICROMETERS

- Micrometer head: 50-63mm
- Travel of micrometer head: 13mm
- Graduation: 0.01mm
- Accuracy: (3+n+L/50)μm
n=number of rods,
L=maximum measuring length (mm)
- Supplied with setting standards
- Carbide measuring faces



3222-150



| Code | Range | Extension rods | List Price (₹) | Promotion Price (₹) |
|-----------|-----------|---------------------------------------------------------------|----------------|---------------------|
| 3222-63 | 50-63mm | — | 6529 | 6333 |
| 3222-150 | 50-150mm | 13mm, 25mm, 50mm | 7137 | 6923 |
| 3222-300 | 50-300mm | 13mm, 25mm, 50mm (2 pcs), 100mm | 10549 | 9308 |
| 3222-500 | 50-500mm | 13mm, 25mm, 50mm (2 pcs), 100mm, 200mm | 11895 | 11300 |
| 3222-600 | 50-600mm | 13mm, 25mm, 50mm, 100mm, 150mm, 200mm | 12564 | 11308 |
| 3222-1000 | 50-1000mm | 13mm, 25mm, 50mm (2 pcs), 100mm, 200mm (2 pcs), 300mm | 22848 | 22163 |
| 3222-1500 | 50-1500mm | 13mm, 25mm, 50mm (2 pcs), 100mm, 200mm (3 pcs), 300mm (2 pcs) | 32122 | 31158 |

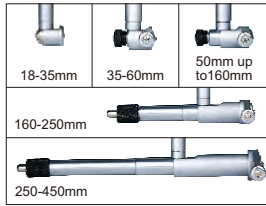
BORE GAGES



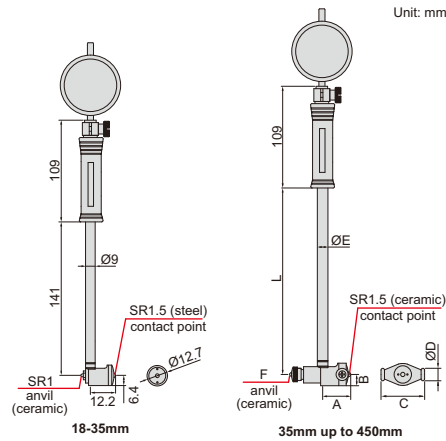
POPULAR MODEL

ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS

- Repeatability: 0.003mm
- Optional accessory: setting ring (code 6312), long handle (code 7351), bore gage setter



| (mm) | | | | | | | |
|-----------|------|----|-------|----|------|-------|-----|
| Range | A | B | C | ØD | ØE | F | L |
| 35-60mm | 22 | 9 | 27 | 13 | 12.8 | SR2 | 141 |
| 50-160mm | 26 | 9 | 35 | 13 | 12.8 | SR2 | 141 |
| 160-250mm | 56.5 | 13 | 74.5 | 15 | 12.8 | SR2 | 241 |
| 250-450mm | 86.5 | 15 | 101.5 | 15 | 14.5 | SR2.5 | 241 |



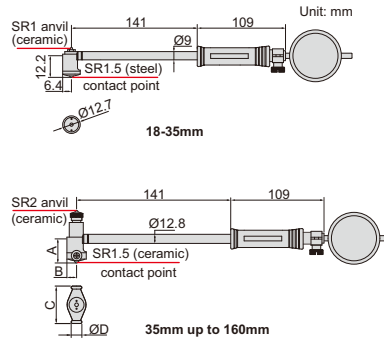
With dial indicator

| Code | Range | Indicator | Accuracy | List Price (₹) | Promotion Price (₹) |
|-----------|-----------|----------------------------------------------------------------|----------|----------------|---------------------|
| 2322-35A | 18-35mm | dial indicator, range 10mm, graduation 0.01mm (code 2308-10FA) | ±0.015mm | 7496 | 5674 |
| 2322-60A | 35-60mm | | ±0.018mm | 7488 | 5674 |
| 2322-160A | 50-160mm | | ±0.018mm | 7782 | 5890 |
| 2322-250A | 160-250mm | | ±0.018mm | 10546 | 8277 |
| 2322-450A | 250-450mm | | ±0.018mm | 10249 | 9429 |

PRECISION BORE GAGES

- Repeatability: 0.0015mm
- Optional accessory: setting ring (code 6312), long handle (code 7351), bore gage setter

| (mm) | | | | |
|----------|----|---|----|----|
| Range | A | B | C | ØD |
| 35-60mm | 22 | 9 | 27 | 13 |
| 50-160mm | 26 | 9 | 35 | 13 |

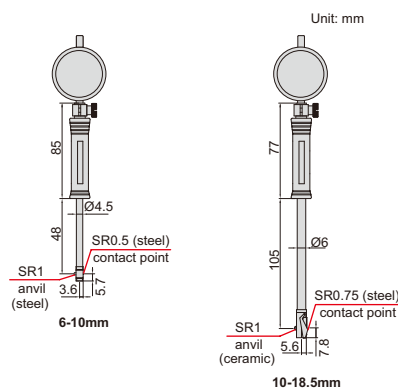


| Code | Range | Indicator | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|----------|---------------------------------------------------------------|----------|----------------|---------------------|
| 2825-35 | 18-35mm | dial indicator, range 1mm, graduation 0.001mm (code 2313-1FA) | ±0.007mm | 12365 | 11128 |
| 2825-60 | 35-60mm | | ±0.007mm | 12365 | 11129 |
| 2825-160 | 50-160mm | | ±0.007mm | 12365 | 11128 |

BORE GAGES FOR SMALL HOLES

ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS

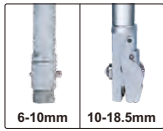
- Accuracy: ±0.012mm
- Repeatability: 0.003mm
- Optional accessory: setting ring (code 6312), bore gage setter



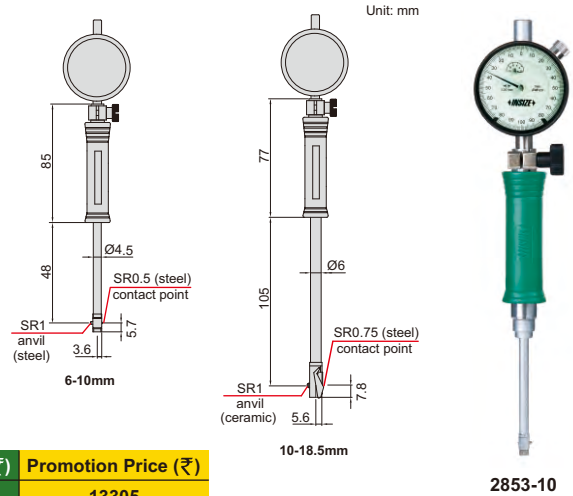
With dial indicator

| Code | Range | Indicator | List Price (₹) | Promotion Price (₹) |
|---------|-----------|-------------------------------------------------------------|----------------|---------------------|
| 2852-10 | 6-10mm | dial indicator, range 3mm, graduation 0.01mm (code 2311-3F) | 10149 | 7851 |
| 2852-18 | 10-18.5mm | | 9155 | 7308 |

PRECISION BORE GAGES FOR SMALL HOLES



- Accuracy: ±0.007mm
- Optional accessory: setting ring (code 6312), bore gage setter



With dial indicator

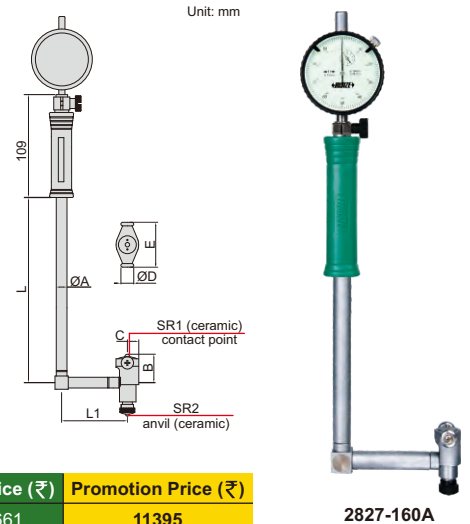
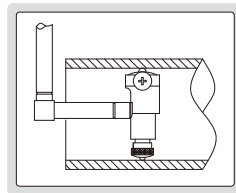
| Code | Range | Indicator | Repeatability | List Price (₹) | Promotion Price (₹) |
|---------|-----------|---------------------------------------------------------------|---------------|----------------|---------------------|
| 2853-10 | 6-10mm | dial indicator, range 1mm, graduation 0.001mm (code 2313-1FA) | 0.0015mm | 14636 | 13305 |
| 2853-18 | 10-18.5mm | dial indicator, range 1mm, graduation 0.001mm (code 2313-1FA) | 0.0015mm | 13769 | 12720 |

BORE GAGES

ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS

- Optional accessory: setting ring (code 6312), long handle (code 7351), bore gage setter

| Range | ØA | B | C | ØD | E | L | L1 |
|----------|------|------|-----|----|----|-----|------|
| 35-60mm | 12.8 | 22 | 9 | 13 | 27 | 141 | 75 |
| 50-160mm | 12.8 | 28.5 | 9.2 | 13 | 35 | 141 | 76.2 |

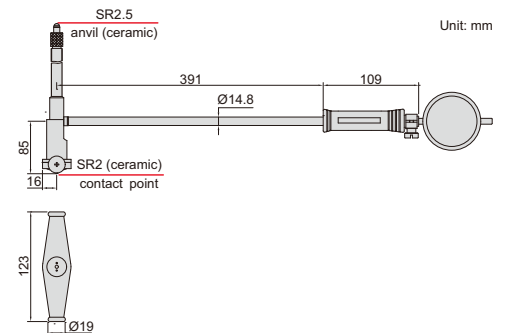
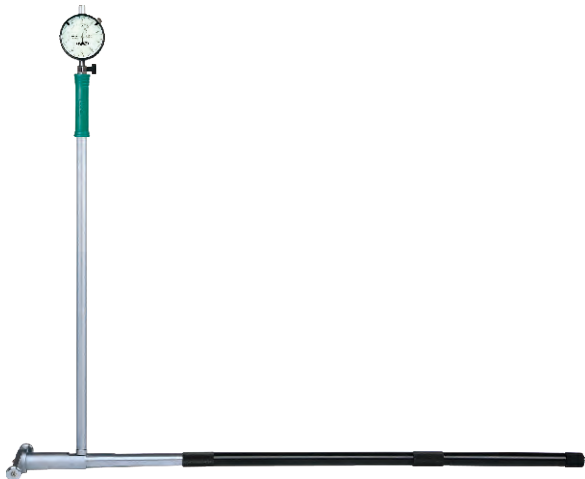


With dial indicator

| Code | Range | Indicator | Accuracy | Repeatability | List Price (₹) | Promotion Price (₹) |
|-----------|----------|---------------------------------------------------------------|----------|---------------|----------------|---------------------|
| 2827-60A | 35-60mm | dial indicator, code 2308-10FA, range 10mm, graduation 0.01mm | ±0.018mm | 0.003mm | 12661 | 11395 |
| 2827-160A | 50-160mm | dial indicator, code 2308-10FA, range 10mm, graduation 0.01mm | ±0.018mm | 0.003mm | 11883 | 10695 |

BORE GAGE

ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS



With dial indicator

| Code | Range | Accuracy | Repeatability | Indicator | List Price (₹) | Promotion Price (₹) |
|-----------|-----------|----------|---------------|---------------------------------------------------------------|----------------|---------------------|
| 2828-800A | 400-800mm | ±0.025 | 0.003 | dial indicator, code 2308-10FA, range 10mm, graduation 0.01mm | 14009 | 12608 |

BORE GAGE SETS

ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS

- Repeatability: 0.003mm
- Optional accessory: setting ring (code 6312), bore gage setter, long handle (code 7351)



2824-S160

2824-S3

packaging (code 2824-S3)



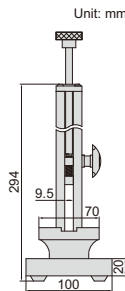
With dial indicator

| Code | Range | Indicator | Bore gages included | Accuracy | List Price (₹) | Promotion Price (₹) |
|-----------|----------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------|---------------------|
| 2824-S160 | 35-160mm | dial indicator, code 2308-10FA, range 10mm, graduation 0.01mm | ① 35-50mm (dial indicator and handle are not included) ② 50-160mm | 35-50mm ±0.018mm 50-160mm ±0.018mm | 11289 | 8359 |
| 2824-S3 | 18-160mm | | ① 18-35mm ② 35-60mm (dial indicator is not included) ③ 50-160mm (dial indicator is not included) | 18-35mm ±0.015mm 35-60mm ±0.018mm 50-160mm ±0.018mm | 21746 | 14282 |

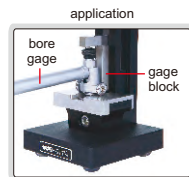
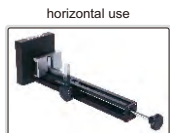
BORE GAGE SETTER



7353-160



- Vertical and horizontal use
- To be used with gage blocks
- With gage block set



Gage block set

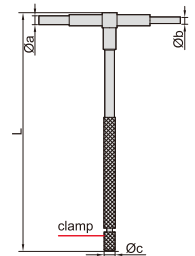
| Blocks per set | Size (mm) | Step (mm) | Quantity | Remark | |
|----------------|-----------|-----------|----------|-------------------|-------|
| 33 | 1.005 | 0.01 | 1 pc | grade 2 (ISO3650) | |
| | 1.01-1.09 | | 9 pcs | | |
| | 1.1-1.9 | | 9 pcs | | |
| | 1-9 | | 1 | | |
| | 10-30 | | 10 | | 3 pcs |
| | 50 | | 1 pc | | |
| | 100 | | 1 pc | | |

| Code | Range | Repeatability | List Price (₹) | Promotion Price (₹) |
|----------|---------|---------------|----------------|---------------------|
| 7353-160 | 0-160mm | 1.2µm | 29672 | 26399 |

TELESCOPING GAGE SET

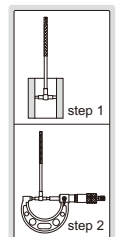


4206-1



- 6 gages per set
- For quick measurement of inside diameter of holes and width of slots
- Satin chrome finish

| Range | L | Øa | Øb | Øc |
|-----------|-----|-----|-----|-----|
| 8-12.7mm | 115 | 3.9 | 2.9 | 6.2 |
| 12.7-19mm | 115 | 5.3 | 3.8 | 6.2 |
| 19-32mm | 115 | 5.3 | 3.8 | 6.2 |
| 32-54mm | 137 | 7.6 | 6.1 | 7.2 |
| 54-90mm | 137 | 7.6 | 6.1 | 7.2 |
| 90-150mm | 137 | 7.6 | 6.1 | 7.2 |



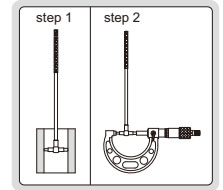
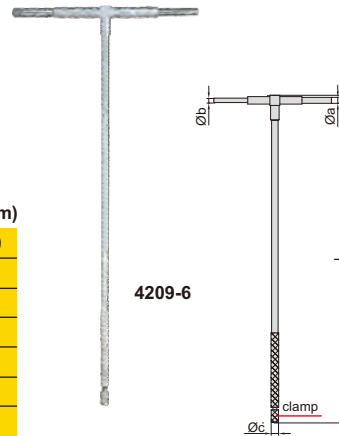
| Code | Total range | Gages included | List Price (₹) | Promotion Price (₹) |
|--------|-------------|----------------------------------------------------------|----------------|---------------------|
| 4206-1 | 8-150mm | 8-12.7mm, 12.7-19mm, 19-32mm, 32-54mm, 54-90mm, 90-150mm | 2037 | 1642 |

LONG HANDLE TELESCOPING GAGES

- For quick measurement of inside diameter of deep holes and width of slots
- Satin chrome finish

(mm)

| Code | Range | L | Øa | Øb | Øc | List Price (₹) | Promotion Price (₹) |
|--------|-----------|-----|-----|-----|-----|----------------|---------------------|
| 4209-1 | 8-12.7mm | 300 | 3.9 | 2.9 | 6.2 | 585 | 567 |
| 4209-2 | 12.7-19mm | 300 | 5.3 | 3.8 | 6.2 | 585 | 567 |
| 4209-3 | 19-32mm | 300 | 5.3 | 3.8 | 6.2 | 585 | 567 |
| 4209-4 | 32-54mm | 300 | 7.6 | 6.1 | 7.2 | 649 | 630 |
| 4209-5 | 54-90mm | 300 | 7.6 | 6.1 | 7.2 | 649 | 630 |
| 4209-6 | 90-150mm | 300 | 7.6 | 6.1 | 7.2 | 658 | 638 |

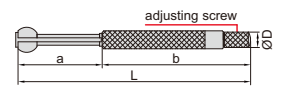


SMALL HOLE GAGE SET

- 4 gages per set
- For small holes, slots and grooves, etc.
- Satin chrome finish



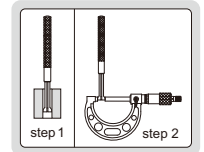
4208-1



(mm)

| Code | Total range | Gages included | List Price (₹) | Promotion Price (₹) |
|--------|-------------|-----------------------------------|----------------|---------------------|
| 4208-1 | 3-13mm | 3-5mm, 5-7.5mm, 7.5-10mm, 10-13mm | 1224 | 1118 |

| Range | L | a | b | ØD |
|----------|----|----|----|----|
| 3-5mm | 76 | 24 | 52 | 5 |
| 5-7.5mm | 79 | 27 | 52 | 5 |
| 7.5-10mm | 88 | 30 | 58 | 6 |
| 10-13mm | 91 | 34 | 58 | 6 |



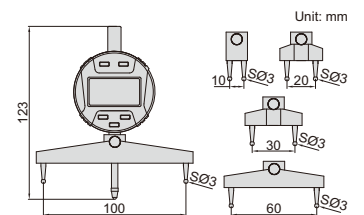
DIGITAL RADIUS GAGE (LOW ACCURACY)

ATTENTION: NO DATA OUTPUT

- Resolution: 0.005mm/0.0002"
- Buttons: on/off, hold, mm/inch, s (select jaws), zero
- Measure radius of internal or external arcs
- Display can be rotated by 320°
- Supplied with 5 jaws for different sizes of arc
- Battery CR2032
- Automatic power off (time is adjustable)

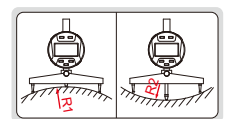


2183



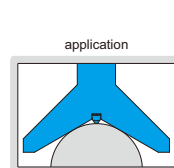
| Code | Range of external radius (R1) | Range of internal radius (R2) | Accuracy (mm) | List Price (₹) | Promotion Price (₹) |
|------|-------------------------------|-------------------------------|---------------|----------------|---------------------|
| 2183 | 5-910mm/0.2-35.83" | 7-910mm/0.3-35.83" | ±0.01R* | 20641 | 18629 |

*R is the radius to be measured. For example, radius is 100mm, the accuracy is $\pm 0.01 \times 100 = \pm 1\text{mm}$

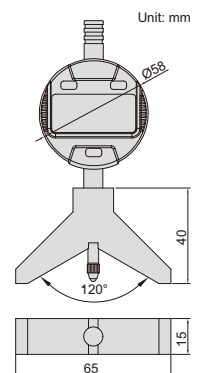


DIGITAL RADIUS GAGE

- Measure radius of external arc, arc angle of measured surface should be larger than 60°
- Display radius value, no need to calculate
- Button function: on/off, zero, data preset, inch/mm
- Keep preset data in memory after restart
- CR2032 battery, data output
- Automatic power off (time is adjustable)
- Stainless steel base
- Supplied with pin gage for zero setting
- Optional accessory: data output cable (code 7315-50M, 7302-40M)



2188-55



| Code | Range (radius) | Resolution | Accuracy | List Price (₹) | Promotion Price (₹) |
|---------|-------------------|----------------|----------|----------------|---------------------|
| 2188-55 | 4-53mm/0.16-2.09" | 0.01mm/0.0005" | ±0.02mm | 20639 | 17629 |

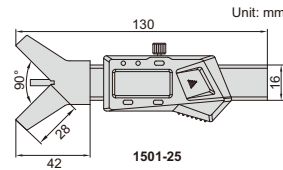
DIGITAL RADIUS CALIPERS

ATTENTION: THE ACTUAL RADIUS IS 2.414 TIMES OF THE READING

DATA OUTPUT



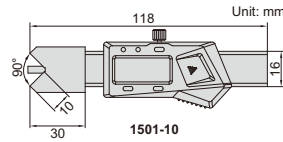
1501-25



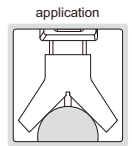
1501-25



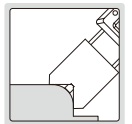
1501-10



1501-10



1501-10 can measure small workpieces or workpieces with steps

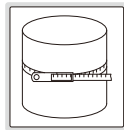


- Measure radius of external arc, arc angle of measured surface should be larger than 90°
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Supplied with pin gage for zero setting

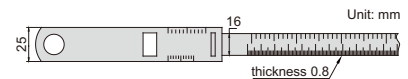
| Code | Range (radius) | Accuracy | List Price (₹) | Promotion Price (₹) |
|---------|---------------------|----------|----------------|---------------------|
| 1501-25 | 2-25mm/0.079-1" | ±0.05mm | 10803 | 9723 |
| 1501-10 | 2-10mm/0.079-0.394" | ±0.05mm | 10803 | 9723 |

CIRCUMFERENCE ROLLS

- Measure diameter and circumference of soft materials like pipes, trees, tires, etc.
- Graduation: 0.1mm
- Laser engraved scale
- Made of stainless steel



7114-950



| Code | Circumference range | Diameter range | Accuracy | | List Price (₹) | Promotion Price (₹) |
|-----------|---------------------|----------------|---------------|----------|----------------|---------------------|
| | | | Circumference | Diameter | | |
| 7114-950 | 150-950mm | Ø50-300mm | ±3mm | ±1mm | 875 | 788 |
| 7114-2200 | 940-2200mm | Ø300-700mm | ±3mm | ±1mm | 1081 | 973 |
| 7114-3460 | 2190-3460mm | Ø700-1100mm | ±3mm | ±1mm | 1471 | 1324 |

INDUCTIVE DIGITAL COMPARATOR

ATTENTION: RECHARGEABLE BATTERY, FOR 12 HOURS CONTINUOUS WORKING

IP54 WATERPROOF

DATA OUTPUT



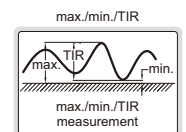
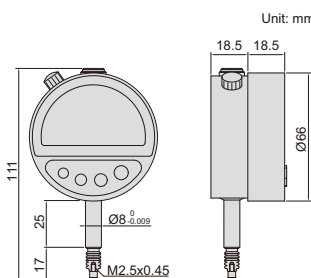
2149-2

data interface (with protective cover)



touch sensor
signal light

- Built-in wireless transmission
- IP54 dust/waterproof
- Reading in digital and analog
- Display can be rotated by 320°
- Can store 10 set parameters, and the parameter can be searched and recalled
- 999 groups value can be stored
- Touch sensor: use the sensor to transmit data, avoiding press the button to cause deformation of the dial indicator stand and affect the zero position
- Button function: on/off, zero, data hold, measuring direction change, inch/metric conversion, data preset, absolute/incremental measurement, max./min./TIR measurement, tolerance Go and No-Go display, data output, analog pointer resolution and range change, print data
- Power: rechargeable battery, for 12 hours continuous working
- Ruby probe
- Data output
- Optional accessory: receiver (code 2149-RE, transmission distance is 2 meters), printer (code ISF-DF-PRINTER)



printer (optional)



| Code | Range | Resolution | Accuracy | Hysteresis | Repeatability | Measuring force | List Price (₹) | Promotion Price (₹) |
|--------|-----------|-----------------|----------|------------|---------------|-----------------|----------------|---------------------|
| 2149-2 | 2mm/0.08" | 0.1µm/0.000005" | 0.5µm | 0.2µm | 0.3µm | 0.8-1N | 39027 | 37076 |

HIGH PRECISION DIGITAL INDICATOR

LINEAR BALL BEARINGS
FOR TEN MILLION TIMES USE

ATTENTION: RECHARGEABLE BATTERY,
FOR 24 HOURS CONTINUOUS WORKING

DATA
OUTPUT

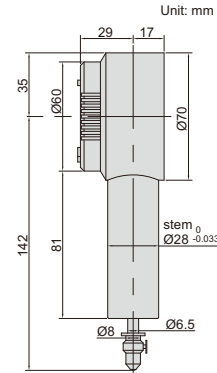
Ø28MM STEM SUITABLE FOR
REINFORCED CLAMPING

ABSOLUTE ENCODER, THE ORIGINAL
DATA REMAINS AFTER POWER OFF

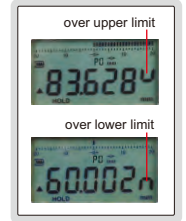
- Linear ball bearings for ten million times use
- Ø28mm stem suitable for reinforced clamping
- Absolute encoder, the original data remains after power off
- Adjustable resolution: 0.0002mm/0.00001"
0.001mm/0.00005"
0.01mm/0.0005"
- Reading in digital and analog
- Button function: data output, tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off, mm/inch, adjust resolution
- Power: rechargeable battery, for 24 hours continuous working
- Ruby probe



2140-6



warning when
over tolerance



analog pointer

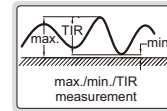


With data interface

Optional accessory:
wireless transmitter, code **7315-60**,
data output cable (keyboard format), code **7302-60**
data output cable (serial port format), code **7305-G60**
(cable length 3m, optional cable length maximum 15m; RS232 protocol,
optional RS485 protocol)

| Code | Range | Accuracy | Hysteresis | Remark | List Price (₹) | Promotion Price (₹) |
|--------|---------------|----------|------------|-----------|----------------|---------------------|
| 2140-6 | 0-6mm/0-0.24" | 1.6µm | 0.8µm | flat back | 26472 | 25678 |

max./min./TIR



receiver 2134-R1,
2134-R2 (optional)



HIGH PRECISION DIGITAL INDICATORS



ABSOLUTE ENCODER, THE ORIGINAL
DATA REMAINS AFTER POWER OFF

ATTENTION: RECHARGEABLE BATTERY,
FOR 24 HOURS CONTINUOUS WORKING

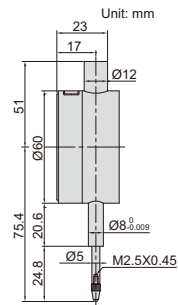
LINEAR BALL BEARINGS
FOR TEN MILLION TIMES USE

DATA
OUTPUT

- Range: 12.7mm/0.5"
- Linear ball bearings for ten million times use
- Absolute encoder, the original data remains after power off
- Reading in digital and analog
- Data output, with flat back
- Button function: data output, tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off, mm/inch, adjust resolution
- Power: rechargeable battery, for 24 hours continuous working
- Optional accessory: contact points, wireless transmitter, code **7315-60**, data output cable (keyboard format), code **7302-60**, data output cable (serial port format), code **7305-G60**, (cable length 3m, optional cable length maximum 15m; RS232 protocol, optional RS485 protocol)



2133-10



Low precision

Carbide probe
Adjustable resolution: 0.0005mm/0.00002"
0.001mm/0.00005"
0.01mm/0.0005"

| Code | Accuracy | Hysteresis | List Price (₹) | Promotion Price (₹) |
|----------|----------|------------|----------------|---------------------|
| 2133-10* | 3µm | 1.5µm | 16764 | 14414 |

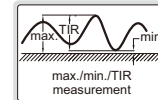
High precision

Ruby probe
Adjustable resolution: 0.0002mm/0.00001"
0.001mm/0.00005"
0.01mm/0.0005"

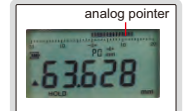
| Code | Accuracy | Hysteresis | List Price (₹) | Promotion Price (₹) |
|-----------|----------|------------|----------------|---------------------|
| 2133-101* | 1.5µm | 1µm | 27715 | 23829 |

*Supplied with manufacturer inspection certificate

max./min./TIR



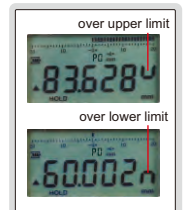
analog pointer



spindle lift knob is included



warning when
over tolerance



DIGITAL INDICATORS (STANDARD TYPE)

DATA OUTPUT

INSPECTION CERTIFICATE

POPULAR MODEL



2112-10



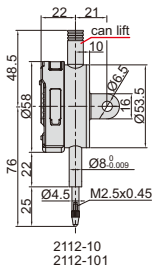
2112-251



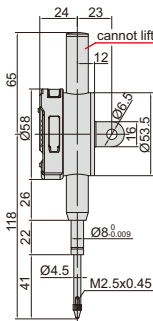
2112-25P



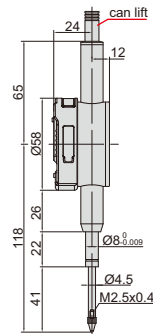
2112-501



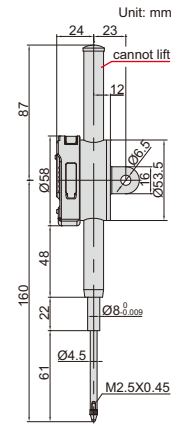
2112-10
2112-101



2112-25
2112-251



2112-25P
2112-251P



2112-50
2112-501

- Button function: on/off, inch/mm, zero, data preset, change measuring direction, absolute/incremental measurement
- Switchable high/low frequency measurement mode, high frequency mode is suitable for high speed moving of spindle and has large power consumption, low power consumption in low frequency mode
- Keep preset data in memory after restart
- CR2032 battery, automatic power off (time is adjustable), data output
- Optional accessory: data output cable (code 7315-50M, 7302-40M, 7305-40M), backs, contact points

Resolution 0.001mm/0.00005"

| Code | Range | Accuracy | Hysteresis | Maximum measuring force | Remark | List Price (₹) | Promotion Price (₹) |
|------------|-------------|----------|------------|-------------------------|--------------------------|----------------|---------------------|
| 2112-101F* | 12.7mm/0.5" | 5µm | 2µm | 1.5N | flat back | 10927 | 9288 |
| 2112-251F* | 25.4mm/1" | 5µm | 3µm | 2.2N | flat back | 10394 | 9874 |
| 2112-501F* | 50.8mm/2" | 6µm | 3µm | 2.5N | flat back | 21947 | 18655 |
| 2112-101* | 12.7mm/0.5" | 5µm | 2µm | 1.5N | lug back | 11647 | 8631 |
| 2112-251* | 25.4mm/1" | 5µm | 3µm | 2.2N | lug back | 10579 | 10050 |
| 2112-501* | 50.8mm/2" | 6µm | 3µm | 2.5N | lug back | 22017 | 18714 |
| 2112-251P* | 25.4mm/1" | 5µm | 3µm | 2.2N | flat back, with lift cap | 13779 | 12401 |
| 2112-501P* | 50.8mm/2" | 6µm | 3µm | 2.5N | flat back, with lift cap | 24910 | 22419 |

2112-251P/501P/25P/50P



Resolution 0.01mm/0.0005"

| Code | Range | Accuracy | Hysteresis | Maximum measuring force | Remark | List Price (₹) | Promotion Price (₹) |
|-----------|-------------|----------|------------|-------------------------|--------------------------|----------------|---------------------|
| 2112-10F* | 12.7mm/0.5" | 20µm | 10µm | 1.5N | flat back | 3761 | 3573 |
| 2112-25F* | 25.4mm/1" | 20µm | 10µm | 2.2N | flat back | 5028 | 4777 |
| 2112-50F* | 50.8mm/2" | 30µm | 10µm | 2.5N | flat back | 14301 | 12156 |
| 2112-10* | 12.7mm/0.5" | 20µm | 10µm | 1.5N | lug back | 4512 | 3713 |
| 2112-25* | 25.4mm/1" | 20µm | 10µm | 2.2N | lug back | 5206 | 4946 |
| 2112-50* | 50.8mm/2" | 30µm | 10µm | 2.5N | lug back | 14372 | 12216 |
| 2112-25P* | 25.4mm/1" | 20µm | 10µm | 2.2N | flat back, with lift cap | 6977 | 6279 |
| 2112-50P* | 50.8mm/2" | 30µm | 10µm | 2.5N | flat back, with lift cap | 15533 | 13980 |

spindle lift knob is included

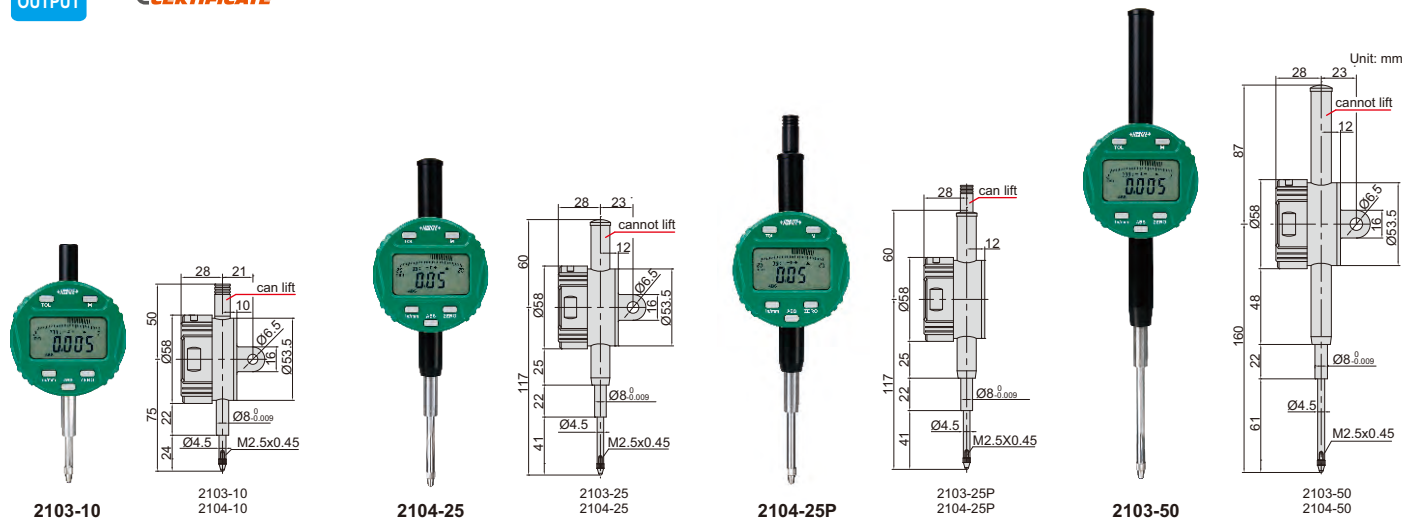


*Supplied with manufacturer inspection certificate

DIGITAL INDICATORS (ADVANCED TYPE)

DATA OUTPUT

INSPECTION CERTIFICATE



- Reading in digital and analog
- Display can be rotated by 320°
- Button function: tolerance Go and No-Go display, data preset, measuring direction change, max./min./TIR measurement, inch/metric conversion, absolute/incremental measurement
- Keep preset data and tolerance data in memory after restart
- CR2032 battery, automatic power off (time is adjustable), data output
- Optional accessory: data output cable (code 7315-50M, 7302-40M, 7305-40M), backs, contact points

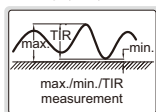
2103-25P/50P
2104-25P/50P



spindle lift knob is included



max./min./TIR



analog pointer



warning when over tolerance



Resolution 0.001mm/0.00005"

| Code | Range | Accuracy | Hysteresis | Maximum measuring force | Remark | List Price (₹) | Promotion Price (₹) |
|-----------|-------------|----------|------------|-------------------------|--------------------------|----------------|---------------------|
| 2103-10F* | 12.7mm/0.5" | 5µm | 2µm | 1.5N | flat back | 14443 | 12277 |
| 2103-25F* | 25.4mm/1" | 5µm | 3µm | 2.2N | flat back | 15660 | 13311 |
| 2103-50F* | 50.8mm/2" | 6µm | 3µm | 2.5N | flat back | 25126 | 21357 |
| 2103-10* | 12.7mm/0.5" | 5µm | 2µm | 1.5N | lug back | 14487 | 12509 |
| 2103-25* | 25.4mm/1" | 5µm | 3µm | 2.2N | lug back | 15663 | 13314 |
| 2103-50* | 50.8mm/2" | 6µm | 3µm | 2.5N | lug back | 25060 | 21301 |
| 2103-25P* | 25.4mm/1" | 5µm | 3µm | 2.2N | flat back, with lift cap | 17424 | 15682 |
| 2103-50P* | 50.8mm/2" | 6µm | 3µm | 2.5N | flat back, with lift cap | 27490 | 24741 |

Resolution 0.01mm/0.0005"

| Code | Range | Accuracy | Hysteresis | Maximum measuring force | Remark | List Price (₹) | Promotion Price (₹) |
|-----------|-------------|----------|------------|-------------------------|--------------------------|----------------|---------------------|
| 2104-10F* | 12.7mm/0.5" | 20µm | 10µm | 1.5N | flat back | 6739 | 5728 |
| 2104-25F* | 25.4mm/1" | 20µm | 10µm | 2.2N | flat back | 8704 | 7398 |
| 2104-50F* | 50.8mm/2" | 30µm | 10µm | 2.5N | flat back | 18070 | 15360 |
| 2104-10* | 12.7mm/0.5" | 20µm | 10µm | 1.5N | lug back | 6622 | 6061 |
| 2104-25* | 25.4mm/1" | 20µm | 10µm | 2.2N | lug back | 8687 | 7384 |
| 2104-50* | 50.8mm/2" | 30µm | 10µm | 2.5N | lug back | 18019 | 15316 |
| 2104-25P* | 25.4mm/1" | 20µm | 10µm | 2.2N | flat back, with lift cap | 9709 | 8738 |
| 2104-50P* | 50.8mm/2" | 30µm | 10µm | 2.5N | flat back, with lift cap | 19153 | 17237 |

*Supplied with manufacturer inspection certificate

WATERPROOF DIGITAL INDICATORS

WATERPROOF

DATA OUTPUT

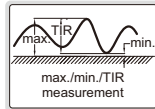
INSPECTION CERTIFICATE

- Dust/waterproof
- Button function: on/off, zero, mm/inch, data preset, tolerance, change measuring direction, max./min./TIR measurement, absolute/incremental measurement
- Keep preset data and tolerance data in memory after restart
- CR2032 battery, automatic power off
- Data output
- Optional accessory: data output cable (code 7315-50M, 7302-40M, 7305-40M), backs, contact points

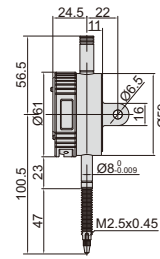
spindle lift knob is included (except 2115-101, 2115-10)



max./min./TIR



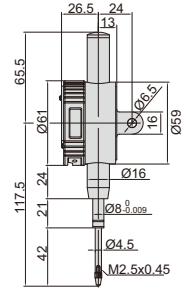
2115-10



2115-10
2115-101



2115-25



2115-25
2115-251

Resolution 0.001mm/0.00005"

| Code | Range | Dust/waterproof | Accuracy | Hysteresis | Remark | List Price (₹) | Promotion Price (₹) |
|-----------|-------------|-----------------|----------|------------|----------|----------------|---------------------|
| 2115-101* | 12.7mm/0.5" | IP65 | 5µm | 2µm | lug back | 14082 | 11970 |
| 2115-251* | 25.4mm/1" | IP54 | 5µm | 3µm | lug back | 18077 | 15365 |

Resolution 0.01mm/0.0005"

| Code | Range | Dust/waterproof | Accuracy | Hysteresis | Remark | List Price (₹) | Promotion Price (₹) |
|----------|-------------|-----------------|----------|------------|----------|----------------|---------------------|
| 2115-10* | 12.7mm/0.5" | IP65 | 20µm | 10µm | lug back | 6192 | 5263 |
| 2115-25* | 25.4mm/1" | IP54 | 20µm | 10µm | lug back | 8136 | 6916 |

*Supplied with manufacturer inspection certificate

warning when over tolerance



DIGITAL INDICATORS (WITH TRANSMISSION BUTTON AND SIGNAL LIGHT)

INSPECTION CERTIFICATE

DATA OUTPUT

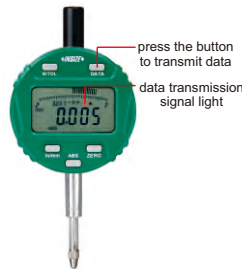
warning when over tolerance



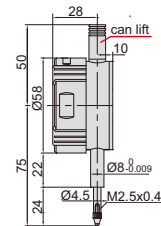
analog pointer



- Reading in digital and analog
- Display can be rotated by 320°
- Button function: on/off, zero, tolerance Go and No-Go display, data preset, measuring direction change, max./min./TIR measurement, inch/metric conversion, absolute/incremental measurement, data output
- Keep preset data and tolerance data in memory after restart
- CR2032 battery, automatic power off (time is adjustable)
- Data output
- Optional accessory: data output cable (code 7315-50M, 7302-40M, 7305-40M), backs, contact points



2138-10F



2138-10F
2139-10F



display can be rotated by 320°

Resolution 0.001mm/0.00005"

| Code | Range | Accuracy | Hysteresis | Maximum measuring force | Remark | List Price (₹) | Promotion Price (₹) |
|-----------|-------------|----------|------------|-------------------------|-----------|----------------|---------------------|
| 2138-10F* | 12.7mm/0.5" | 5µm | 2µm | 1.5N | flat back | 12991 | 12341 |

Resolution 0.01mm/0.0005"

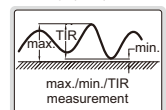
| Code | Range | Accuracy | Hysteresis | Maximum measuring force | Remark | List Price (₹) | Promotion Price (₹) |
|-----------|-------------|----------|------------|-------------------------|-----------|----------------|---------------------|
| 2139-10F* | 12.7mm/0.5" | 20µm | 10µm | 1.5N | flat back | 6786 | 6447 |

*Supplied with manufacturer inspection certificate

spindle lift knob is included



max./min./TIR



DIGITAL INDICATORS FOR BORE GAGES (WITH TRANSMISSION BUTTON AND SIGNAL LIGHT)

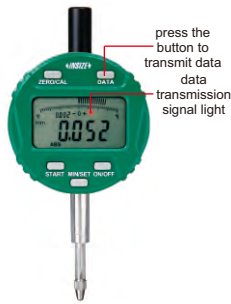


**INSPECTION
CERTIFICATE**

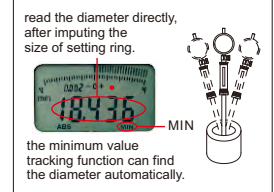
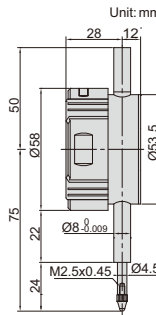
**DATA
OUTPUT**

**THE ORIGINAL DATA
REMAINS AFTER POWER OFF**

- Specially designed for bore gages
- The minimum value tracking function can find the diameter automatically
- Read the diameter directly, after inputting the size of setting ring
- Reading in digital and analog
- Display can be rotated by 320°
- Button function: on/off, minimum value tracking, calibration, data preset, inch/metric conversion
- Data remains after power off, no need to recalibrate after power on
- CR2032 battery
- Automatic power off (time is adjustable)
- Data output
- Optional accessory: data output cable (code **7315-50M**, **7302-40M**, **7305-40M**), backs, contact points, spindle lift knob



2108-10F



| Code | Range | Resolution | Accuracy | Hysteresis | Remark | List Price (₹) | Promotion Price (₹) |
|-------------------|-------------|-------------------------------------------------|----------|------------|-----------|----------------|---------------------|
| 2108-10F* | 12.7mm/0.5" | 0.002mm/0.0001" (can switch to: 0.01mm/0.0005") | 20µm | 10µm | flat back | 8920 | 7582 |
| 2108-101F* | 12.7mm/0.5" | 0.001mm/0.00005" | 5µm | 2µm | flat back | 17736 | 15076 |

*Supplied with manufacturer inspection certificate

COMPACT DIGITAL INDICATORS

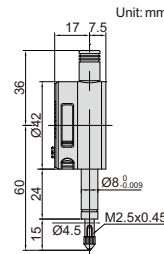
**INSPECTION
CERTIFICATE**

**DATA
OUTPUT**

- Button function:
 - in/mm: short press for inch/metric conversion
long press to change measuring direction
 - ABS: short press for absolute/incremental measurement
long press to preset data
 - 0/ON: short press to turn on when power is off
short press to set zero when power is on
long press to turn off
- Keep preset data in memory after restart
- CR1632 battery, automatic power off
- Data output
- Optional accessory: data output cable (code **7315-50M**, **7302-40M**, **7305-40M**), contact points



2114-5F



| Code | Range | Resolution | Accuracy | Hysteresis | Remark | List Price (₹) | Promotion Price (₹) |
|------------------|----------|------------------|----------|------------|-----------|----------------|---------------------|
| 2114-5F* | 5mm/0.2" | 0.01mm/0.0005" | 20µm | 10µm | flat back | 5034 | 4279 |
| 2114-51F* | 5mm/0.2" | 0.001mm/0.00005" | 5µm | 2µm | flat back | 12241 | 10405 |

*Supplied with manufacturer inspection certificate

DIGITAL LINEAR GAGES

**INSPECTION
CERTIFICATE**

**IP43
WATERPROOF**

**ABSOLUTE ENCODER, THE ORIGINAL
DATA REMAINS AFTER POWER OFF**

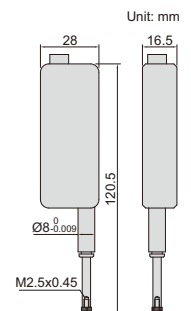
- Scale type: optical grating
- Absolute encoder, the original data remains after power off
- Digital signal output, amplifier is not required
- Repeatability: 0.5µm
- Measuring force: 1.5N
- Dust/waterproof: IP43
- Baud rate: 9600 (can be customized)
- Cable length: 3m (can be customized)



7130-10



7130-10L



| Code | Range | Resolution | Accuracy | Outgoing cable direction | Output signal | Output interface | List Price (₹) | Promotion Price (₹) |
|-----------------|----------|------------|----------|--------------------------|------------------|------------------|----------------|---------------------|
| 7130-10 | 0-12.7mm | 0.1µm | 1.6µm | horizontal | RS232, TTL level | | 24666 | 23433 |
| 7130-10L | 0-12.7mm | 0.1µm | 1.6µm | vertical | RS232, TTL level | | 24455 | 23232 |

LINEAR GAGES

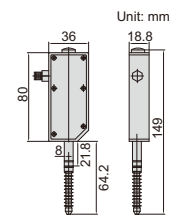
LINEAR GAGE
IP65
WATERPROOF

SPECIFICATION

| Code | 7107-11 | 7107-12 |
|---------------------|---------------------------------|------------------|
| List Price (₹) | 12759 | 19843 |
| Promotion Price (₹) | 11483 | 17859 |
| Measuring range | 12mm/0.47" | 12mm/0.47" |
| Resolution | 0.01mm/0.0004" | 0.001mm/0.00004" |
| Accuracy | 20µm | 5µm |
| Hysteresis | 10µm | 2µm |
| Measuring principle | capacitance type linear encoder | |
| Voltage | 5V | |
| Sampling frequency | 100 times/sec. | |
| Working life | ten million times | |
| Dust/waterproof | IP65 | |
| Measuring force | 1.5N | |
| Cable length | 2m | |
| Data output | RS232 | |

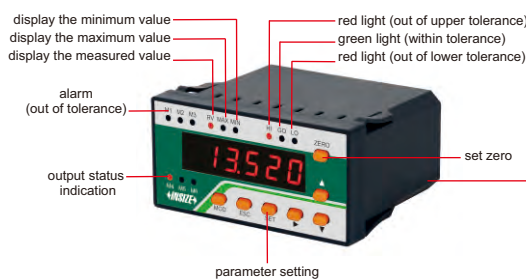


7107-11



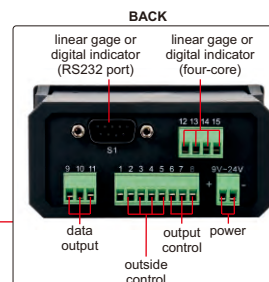
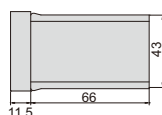
- Capacitance type linear encoder
- Shock-proof, water proof, dust proof, suitable for high speed movement, long working life
- Optional: display unit **7106-1A**, multichannel interface box **7107-1** or **7107-2**

DISPLAY UNIT FOR CAPACITANCE LINEAR GAGES CODE 7106-1A

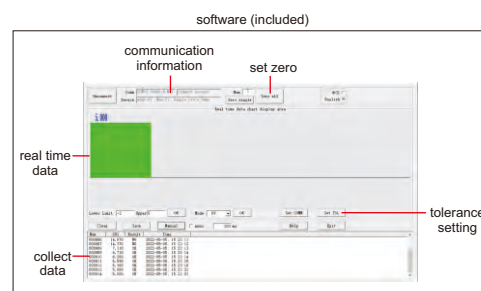


7106-1A

Unit: mm



BACK



- Can be connected with **7107-11** or **7107-12** linear gage, can also be connected with digital indicator (data cable **7309-C01M** is needed)
- Set tolerance and make judgment (out of upper tolerance, within tolerance, out of lower tolerance), output the judgment to control outside devices, control from outside (set zero, hold reading and collect data)
- Software of display unit (included): in the software, it is possible to set tolerance and show judgment (red when out of tolerance, green when within tolerance), set zero, collect data manually or automatically (time is adjustable), output data to Excel, print report

SPECIFICATION

| Code | 7106-1A |
|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| List Price (₹) | 14276 |
| Promotion Price (₹) | 12848 |
| Display | 6 digits |
| Quantity of linear gage or digital indicator to be connected | 1 pc |
| Tolerance | set tolerance and make judgment with alarm and lights (out of upper tolerance, within tolerance, out of lower tolerance) |
| Output control | output the tolerance judgment (out of upper tolerance, within tolerance, out of lower tolerance) to control outside devices |
| Outside control | control the display units from outside (set zero, hold reading and collect data) |
| Data output | connect to computer software and serial communication |
| Power supply | DC 9~24V |

connected with
7107-11 or **7107-12** linear gage

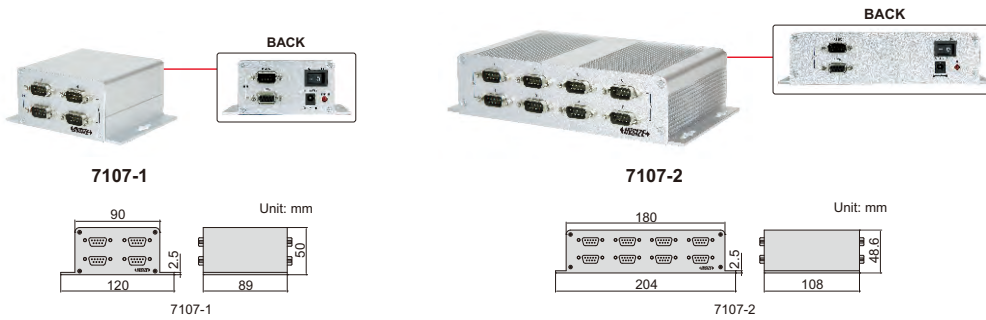


connected with digital indicator
(data cable **7309-C01M** is needed)



suitable for 2112, 2114, 2115, 2116, 2501, 2103 and 2104 series digital indicators

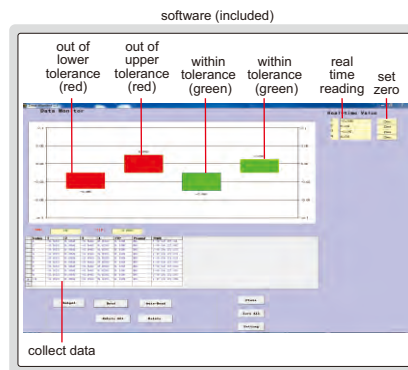
MULTICHANNEL INTERFACE BOXES FOR CAPACITANCE LINEAR GAGES



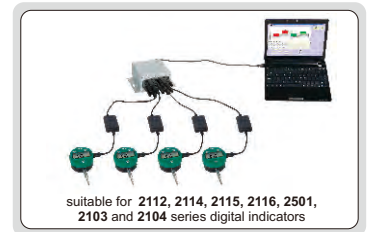
- Can be connected with **7107-11** or **7107-12** linear gages, can also be connected with digital indicators (data cable **7309-C01M** is needed)
- Software of interface boxes (included): in the software, it is possible to set tolerance of each channel and show judgment (red when out of tolerance, green when within tolerance), set zero, collect data manually or automatically (time is adjustable), output data to Excel, print report.

INTERFACE BOX SPECIFICATION

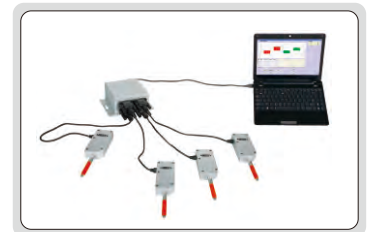
| Code | 7107-1 | 7107-2 |
|----------------------------------------------------------------|-----------------|--------|
| List Price (₹) | 11295 | 18578 |
| Promotion Price (₹) | 10166 | 16720 |
| Quantity of linear gages or digital indicators to be connected | 4 pcs | 8 pcs |
| Data output | RS232 and RS485 | |
| Power supply | DC 9~24V | |



connected with digital indicators (data cable **7309-C01M** is needed)



connected with **7107-11** or **7107-12** linear gages



PRECISION DIAL INDICATORS



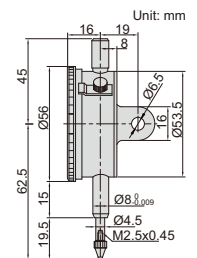
- Graduation: 0.001mm
- Dial reading: 0-100-0
- Range/rev: 0.2mm
- With flat back
- Jeweled bearing
- Supplied with limit pointers and bezel clamp
- Optional accessory: backs, contact points

| Code | Range | Accuracy | Hysteresis | List Price (₹) | Promotion Price (₹) |
|----------|-------|----------|------------|----------------|---------------------|
| 2313-1A* | 1mm | 5µm | 2µm | 5189 | 4631 |
| 2313-2A* | 2mm | 6µm | 2.5µm | 9916 | 8429 |

*Supplied with manufacturer inspection certificate



2313-1A



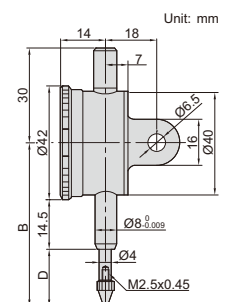
COMPACT DIAL INDICATORS



- Range/rev: 0.5mm
- Dial reading: 0-50
- Meet DIN878
- Jeweled bearing
- Supplied with limit pointers and bezel clamp
- Optional accessory: backs, contact points



2311-5



| Code | Range | Graduation | Accuracy | Hysteresis | Remark | B | D | List Price (₹) | Promotion Price (₹) |
|---------|-------|------------|----------|------------|----------|----|------|----------------|---------------------|
| 2311-3* | 3mm | 0.01mm | 12µm | 3µm | lug back | 46 | 10.5 | 2450 | 2083 |
| 2311-5* | 5mm | 0.01mm | 14µm | 3µm | lug back | 48 | 12.5 | 2461 | 2022 |

*Supplied with manufacturer inspection certificate

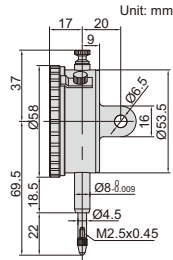
DIAL INDICATOR (BASIC TYPE)



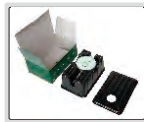
POPULAR MODEL



2301-10



carton box



- Graduation: 0.01mm
- Range/rev: 1mm
- Accuracy: 17µm
- Dial reading: 0-100
- Meet DIN878
- Jeweled bearing
- Lug back with spare flat back
- Supplied with limit hands and bezel clamp
- Packed in carton box
- Optional accessory: backs, contact points

| Code | Range | Hysteresis | List Price (₹) | Promotion Price (₹) |
|----------|-------|------------|----------------|---------------------|
| 2301-10* | 10mm | 3µm | 1590 | 1425 |

*Supplied with manufacturer inspection certificate

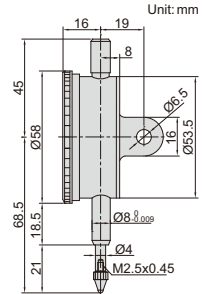
SHOCKPROOF DIAL INDICATOR

SHOCK PROOF

JEWELLED BEARING



2314-10A



- Graduation: 0.01mm
- Range/rev: 1mm
- Dial reading: 0-100
- Meet DIN878
- Shockproof
- Jeweled bearing
- Supplied with limit pointers and bezel clamp
- With lug back
- Optional accessory: backs, contact points

| Code | Range | Accuracy | Hysteresis | List Price (₹) | Promotion Price (₹) |
|-----------|-------|----------|------------|----------------|---------------------|
| 2314-10A* | 10mm | 17µm | 3µm | 2672 | 2412 |

*Supplied with manufacturer inspection certificate

DIAL INDICATOR (LONG STROKE, BASIC TYPE)



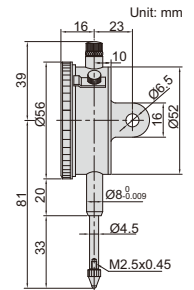
POPULAR MODEL

- Graduation: 0.01mm
- Range/rev: 1mm
- Dial reading: 0-100
- Hysteresis: 7µm
- Lug back with spare flat back
- Supplied with limit pointers and bezel clamp
- Packed in carton box
- Optional accessory: backs, contact points

carton box



2302-25



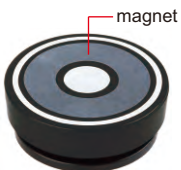
| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|-------|----------|----------------|---------------------|
| 2302-25* | 25mm | 35µm | 3028 | 2415 |

*Supplied with manufacturer inspection certificate

MAGNETIC BACK

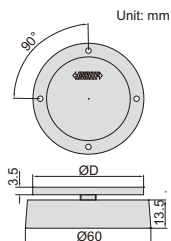


front



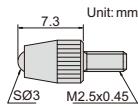
back

7331-M1

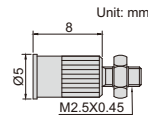


| Code | ØD | For digital/dial indicators | List Price (₹) | Promotion Price (₹) |
|---------|------|---------------------------------|----------------|---------------------|
| 7331-M1 | 51.5 | 2103 | 908 | 817 |
| | | 2104 | | |
| | | 2108 | | |
| | | 2109 | | |
| | | 2112 | | |
| | | 2115 | | |
| | | 2116 | | |
| | | 2117 | | |
| | | 2118 | | |
| | | 2138 | | |
| | | 2301 | | |
| | | 2302 | | |
| | | 2308 | | |
| | | 2309 (except 2309-30, 2309-30F) | | |
| | | 2313 | | |
| 2314 | | | | |
| 2316 | | | | |
| 2801 | | | | |

CONTACT POINTS



6282-0101



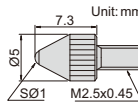
6282-1101

BALL POINT

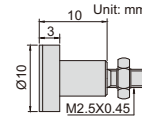
| Code | Material of measuring face | List Price (₹) | Promotion Price (₹) |
|-----------|----------------------------|----------------|---------------------|
| 6282-0101 | carbide | 249 | 224 |

FLAT POINT

| Code | Material of measuring face | List Price (₹) | Promotion Price (₹) |
|-----------|----------------------------|----------------|---------------------|
| 6282-1101 | steel | 964 | 868 |



6282-0301



6282-1201

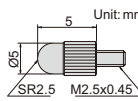


BALL POINT

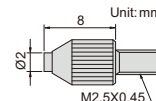
| Code | Material of measuring face | List Price (₹) | Promotion Price (₹) |
|-----------|----------------------------|----------------|---------------------|
| 6282-0301 | steel | 223 | 201 |

FLAT POINT

| Code | Material of measuring face | List Price (₹) | Promotion Price (₹) |
|-----------|----------------------------|----------------|---------------------|
| 6282-1201 | steel | 1071 | 964 |



6282-0202



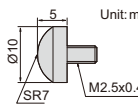
6282-1301

SHELL TYPE POINT

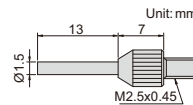
| Code | Material of measuring face | List Price (₹) | Promotion Price (₹) |
|-----------|----------------------------|----------------|---------------------|
| 6282-0202 | steel | 245 | 221 |

FLAT POINT

| Code | Material of measuring face | List Price (₹) | Promotion Price (₹) |
|-----------|----------------------------|----------------|---------------------|
| 6282-1301 | carbide | 1190 | 1071 |



6282-0401



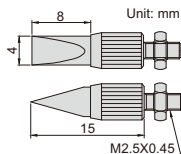
6282-1711

SPHERICAL POINT

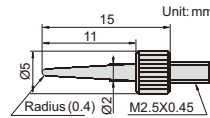
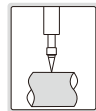
| Code | Material of measuring face | List Price (₹) | Promotion Price (₹) |
|-----------|----------------------------|----------------|---------------------|
| 6282-0401 | steel | 369 | 332 |

NEEDLE POINT

| Code | Material of measuring face | List Price (₹) | Promotion Price (₹) |
|-----------|----------------------------|----------------|---------------------|
| 6282-1711 | carbide | 1399 | 1357 |



6282-1001



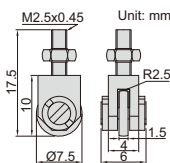
6282-1601

KNIFE EDGE POINT

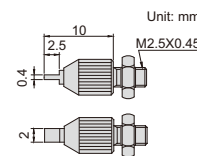
| Code | Material of measuring face | List Price (₹) | Promotion Price (₹) |
|-----------|----------------------------|----------------|---------------------|
| 6282-1001 | steel | 481 | 433 |

NEEDLE POINT

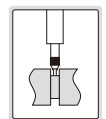
| Code | Material of measuring face | List Price (₹) | Promotion Price (₹) |
|-----------|----------------------------|----------------|---------------------|
| 6282-1601 | steel | 378 | 367 |



6282-1901



6282-1801



ROLLER POINT

| Code | Material of measuring face | List Price (₹) | Promotion Price (₹) |
|-----------|----------------------------|----------------|---------------------|
| 6282-1901 | steel | 4951 | 4703 |

BLADE POINT

| Code | Material of measuring face | List Price (₹) | Promotion Price (₹) |
|-----------|----------------------------|----------------|---------------------|
| 6282-1801 | steel | 716 | 644 |



6282-0601



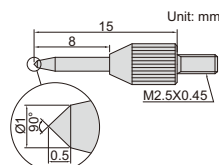
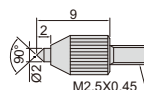
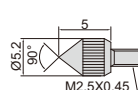
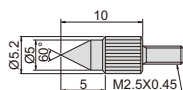
6282-0701



6282-0801



6282-0901



CONICAL POINTS

| Code | Material of measuring face | List Price (₹) | Promotion Price (₹) |
|-----------|----------------------------|----------------|---------------------|
| 6282-0601 | steel | 547 | 492 |
| 6282-0701 | steel | 507 | 456 |
| 6282-0801 | steel | 721 | 649 |
| 6282-0901 | steel | 878 | 790 |

EXTENSION RODS

| Code | Material | L | List Price (₹) | Promotion Price (₹) |
|-----------|----------|------|----------------|---------------------|
| 6282-2001 | steel | 10mm | 147 | 140 |
| 6282-2002 | steel | 15mm | 165 | 157 |
| 6282-2003 | steel | 20mm | 172 | 163 |
| 6282-2004 | steel | 25mm | 175 | 166 |
| 6282-2005 | steel | 30mm | 186 | 177 |
| 6282-2006 | steel | 35mm | 186 | 177 |
| 6282-2007 | steel | 40mm | 188 | 179 |
| 6282-2008 | steel | 45mm | 205 | 195 |
| 6282-2009 | steel | 50mm | 205 | 195 |

| Code | Material | L | List Price (₹) | Promotion Price (₹) |
|-----------|----------|-------|----------------|---------------------|
| 6282-2010 | steel | 55mm | 207 | 197 |
| 6282-2011 | steel | 60mm | 222 | 211 |
| 6282-2012 | steel | 65mm | 225 | 214 |
| 6282-2013 | steel | 70mm | 244 | 232 |
| 6282-2014 | steel | 75mm | 241 | 229 |
| 6282-2015 | steel | 80mm | 262 | 249 |
| 6282-2016 | steel | 90mm | 283 | 269 |
| 6282-2017 | steel | 100mm | 316 | 300 |

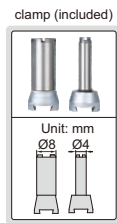


DIAL TEST INDICATORS

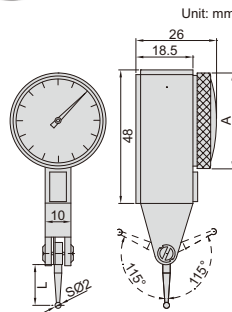
JEWELLED BEARING

INSPECTION CERTIFICATE

POPULAR MODEL



2380-08



- Meet DIN2270 (except 2380-02, 2381-02, 2381-021)
- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: diameter Ø4mm and Ø8mm
- Optional accessory: styli

Graduation: 0.01mm

(mm)

| Code | Range | Accuracy | Hysteresis | Dial reading | A | L | List Price (₹) | Promotion Price (₹) |
|----------|-------|----------|------------|--------------|-----|------|----------------|---------------------|
| 2380-08* | 0.8mm | 13µm | 3µm | 0-40-0 | Ø30 | 13.5 | 3169 | 2634 |
| 2381-08* | 0.8mm | 13µm | 3µm | 0-40-0 | Ø37 | 13.5 | 3306 | 2912 |

Graduation: 0.002mm

(mm)

| Code | Range | Accuracy | Hysteresis | Dial reading | A | L | List Price (₹) | Promotion Price (₹) |
|----------|-------|----------|------------|--------------|-----|------|----------------|---------------------|
| 2380-02* | 0.2mm | 6µm | 2µm | 0-100-0 | Ø30 | 12.5 | 5947 | 5257 |
| 2381-02* | 0.2mm | 6µm | 2µm | 0-100-0 | Ø37 | 12.5 | 5677 | 4939 |

Graduation: 0.001mm

(mm)

| Code | Range | Accuracy | Hysteresis | Dial reading | A | L | List Price (₹) | Promotion Price (₹) |
|-----------|-------|----------|------------|--------------|-----|------|----------------|---------------------|
| 2381-021* | 0.2mm | 6µm | 2µm | 0-100-0 | Ø37 | 12.5 | 5910 | 4799 |

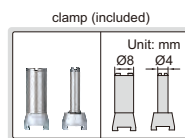
*Supplied with manufacturer inspection certificate

LARGE RANGE DIAL TEST INDICATOR

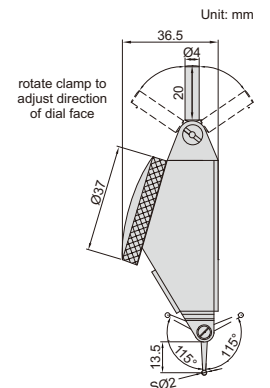
JEWELLED BEARING

INSPECTION CERTIFICATE

- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: diameter Ø4mm and Ø8mm
- Optional accessory: styli



2386-16A



| Code | Range | Graduation | Accuracy | Hysteresis | Dial reading | List Price (₹) | Promotion Price (₹) |
|-----------|-------|------------|----------|------------|--------------|----------------|---------------------|
| 2386-16A* | 1.6mm | 0.01mm | 25µm | 8µm | 0-40-0 | 7589 | 6548 |

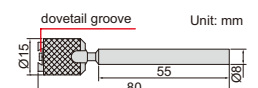
*Supplied with manufacturer inspection certificate

DIAL TEST INDICATOR UNIVERSAL HOLDER

- Set the indicators at the desired attitude to the workpiece



6297-1



| Code | List Price (₹) | Promotion Price (₹) |
|--------|----------------|---------------------|
| 6297-1 | 898 | 774 |

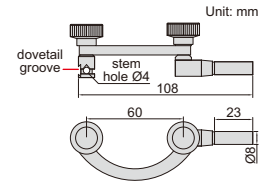
DIAL TEST INDICATOR HOLDER

- Can be used with dial test indicators

| Code | List Price (₹) | Promotion Price (₹) |
|--------|----------------|---------------------|
| 6291-1 | 855 | 713 |



6291-1

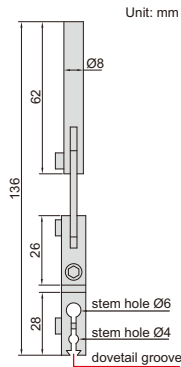


DIAL TEST INDICATOR HOLDER



6296-1

- Supplied with hex key



| Code | List Price (₹) | Promotion Price (₹) |
|--------|----------------|---------------------|
| 6296-1 | 1032 | 929 |

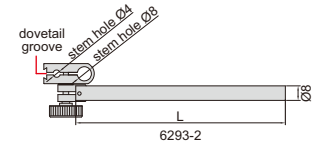
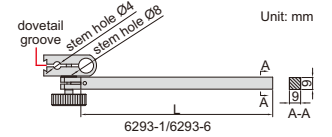
DIAL TEST INDICATOR HOLDERS



6293-1



6293-2

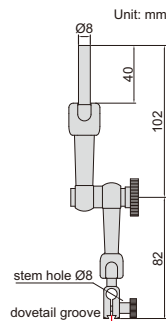


| Code | Stem section | Stem length (L) | List Price (₹) | Promotion Price (₹) |
|--------|--------------|-----------------|----------------|---------------------|
| 6293-1 | 9x9mm | 100mm | 783 | 718 |
| 6293-6 | 9x9mm | 50mm | 898 | 808 |
| 6293-2 | Ø8mm | 115mm | 931 | 838 |



DIAL TEST INDICATOR HOLDER

- Can be used with dial test indicators

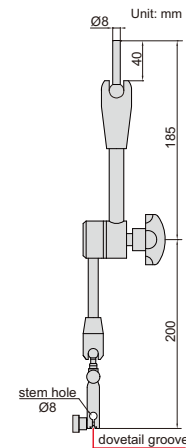


6295-1A

| Code | List Price (₹) | Promotion Price (₹) |
|---------|----------------|---------------------|
| 6295-1A | 1966 | 1796 |

DIAL INDICATOR HOLDER

- Can be used with dial test indicators or dial indicators



6294-1A

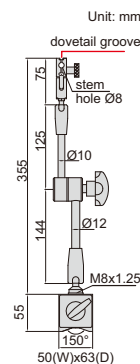
| Code | List Price (₹) | Promotion Price (₹) |
|---------|----------------|---------------------|
| 6294-1A | 2753 | 2174 |

UNIVERSAL MAGNETIC STAND (ECONOMIC TYPE)

ATTENTION: LOW LOCKING FORCE

- Applicable holding stem: Ø8mm
- For digital/dial indicators and dial test indicators
- With fine adjustment and dovetail groove

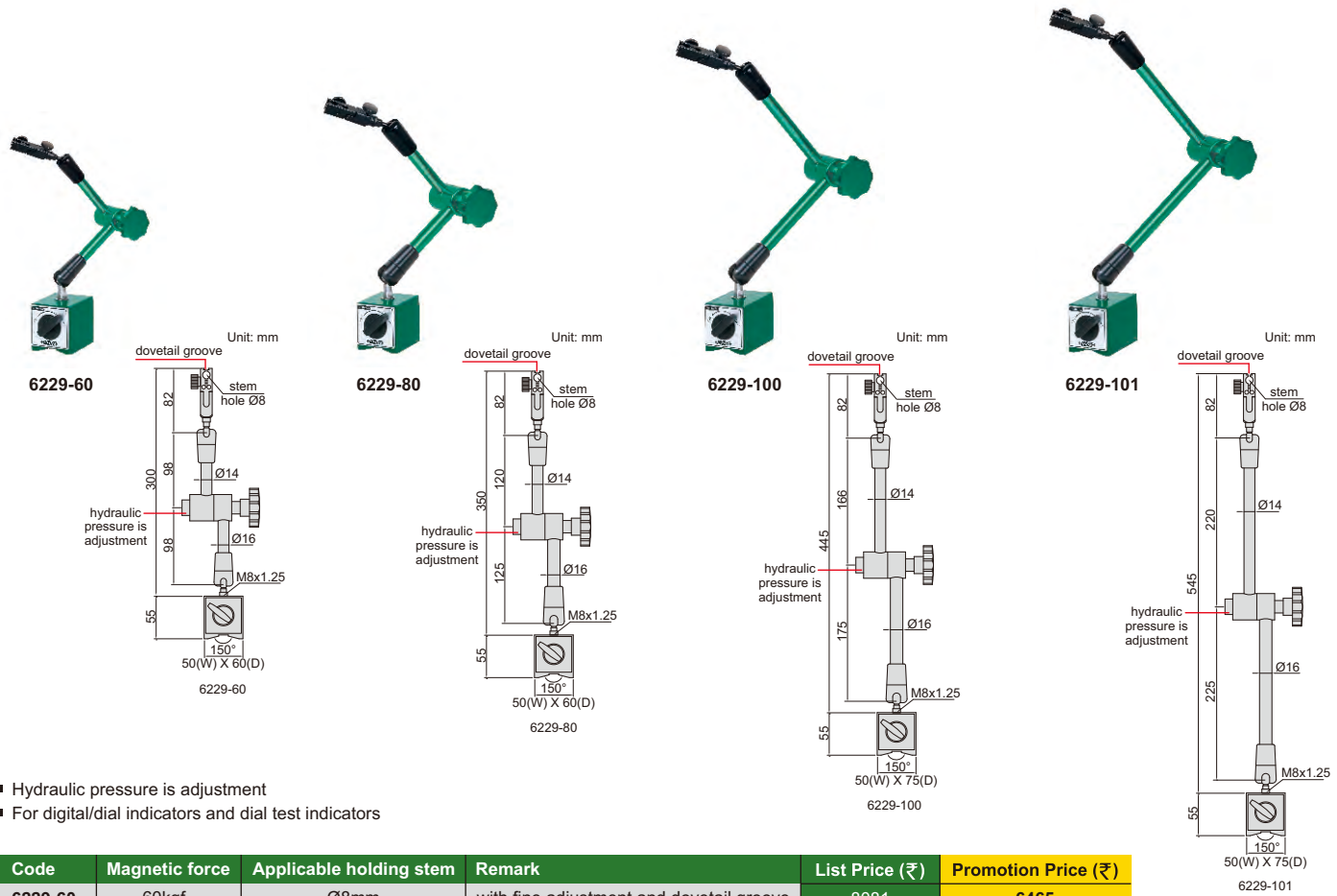
| Code | Magnetic force | List Price (₹) | Promotion Price (₹) |
|----------|----------------|----------------|---------------------|
| 6208-80A | 80kgf | 2950 | 2547 |



6208-80A



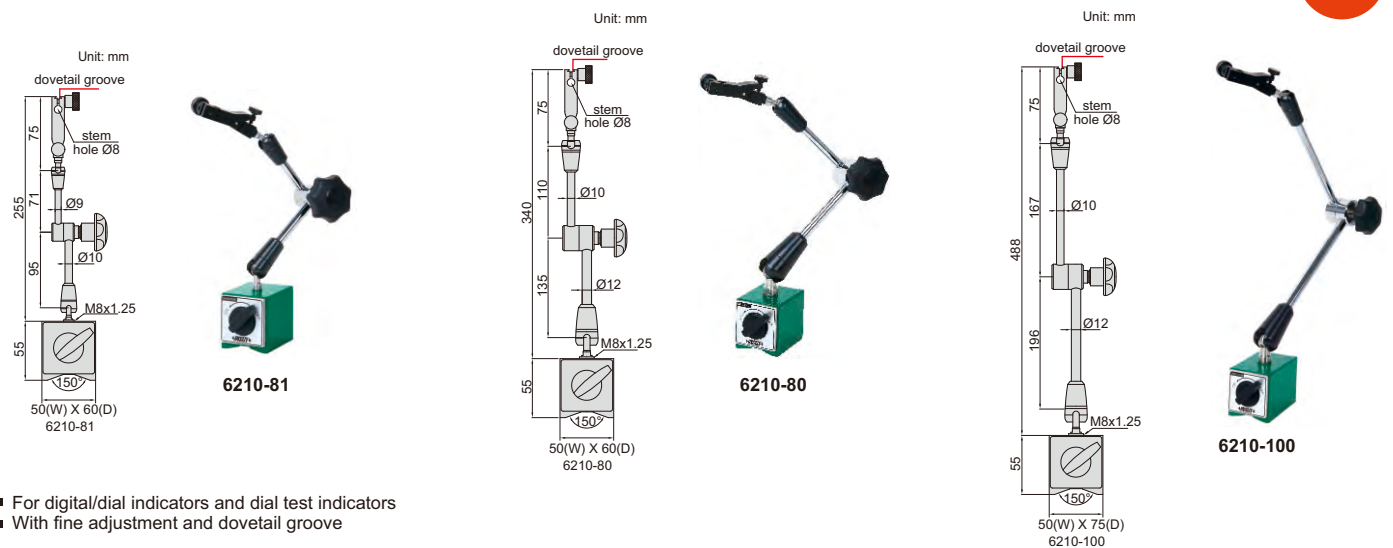
HYDRAULIC UNIVERSAL MAGNETIC STANDS



- Hydraulic pressure is adjustment
- For digital/dial indicators and dial test indicators

| Code | Magnetic force | Applicable holding stem | Remark | List Price (₹) | Promotion Price (₹) |
|----------|----------------|-------------------------|------------------------------------------|----------------|---------------------|
| 6229-60 | 60kgf | Ø8mm | with fine adjustment and dovetail groove | 8081 | 6465 |
| 6229-80 | 80kgf | Ø8mm | with fine adjustment and dovetail groove | 9051 | 7241 |
| 6229-100 | 100kgf | Ø8mm | with fine adjustment and dovetail groove | 13752 | 11002 |
| 6229-101 | 100kgf | Ø8mm | with fine adjustment and dovetail groove | 17561 | 14049 |

UNIVERSAL MAGNETIC STANDS



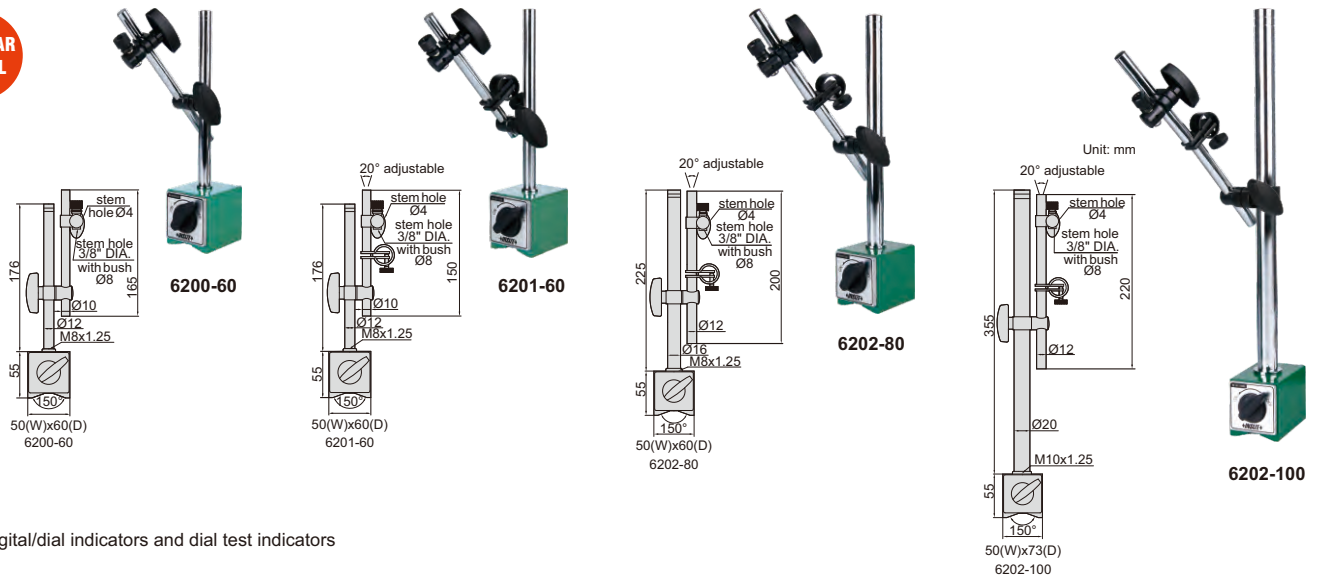
POPULAR MODEL

- For digital/dial indicators and dial test indicators
- With fine adjustment and dovetail groove

| Code | Magnetic force | Applicable holding stem | List Price (₹) | Promotion Price (₹) |
|----------|----------------|-------------------------|----------------|---------------------|
| 6210-81 | 80kgf | Ø8mm | 5051 | 4546 |
| 6210-80 | 80kgf | Ø8mm | 6332 | 5425 |
| 6210-100 | 100kgf | Ø8mm | 7443 | 6699 |

MAGNETIC STANDS

POPULAR MODEL

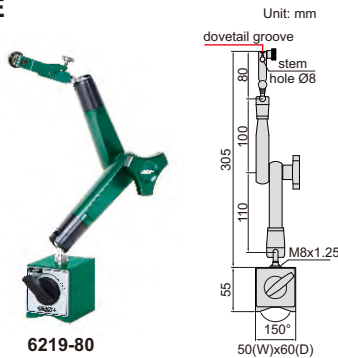


■ For digital/dial indicators and dial test indicators

| Code | Magnetic force | Applicable holding stem | Remark | List Price (₹) | Promotion Price (₹) |
|----------|----------------|-------------------------|-------------------------|----------------|---------------------|
| 6200-60 | 60kgf | Ø8mm, Ø4mm, 3/8" DIA. | without fine adjustment | 1363 | 1136 |
| 6201-60 | 60kgf | Ø8mm, Ø4mm, 3/8" DIA. | with fine adjustment | 1373 | 1115 |
| 6202-80 | 80kgf | Ø8mm, Ø4mm, 3/8" DIA. | with fine adjustment | 2444 | 1676 |
| 6202-100 | 100kgf | Ø8mm, Ø4mm, 3/8" DIA. | with fine adjustment | 3073 | 2766 |

LARGE LOCKING FORCE MAGNETIC STAND

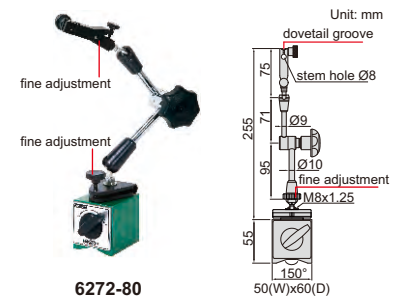
- Applicable holding stem: Ø8mm
- For digital/dial indicators and dial test indicators
- With fine adjustment and dovetail groove



| Code | Magnetic force | List Price (₹) | Promotion Price (₹) |
|---------|----------------|----------------|---------------------|
| 6219-80 | 80kgf | 6340 | 5706 |

MAGNETIC STAND WITH DOUBLE FINE ADJUSTMENT

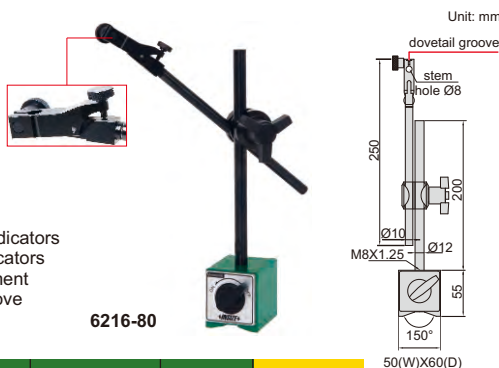
- Magnetic force: 80kgf
- With two fine adjustments on the head and on the base
- For digital/dial indicators and dial test indicators
- With two fine adjustments and dovetail groove



| Code | Applicable holding stem | List Price (₹) | Promotion Price (₹) |
|---------|-------------------------|----------------|---------------------|
| 6272-80 | Ø8mm | 5951 | 5356 |

MAGNETIC STAND

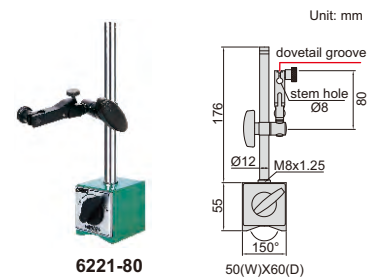
- For digital/dial indicators and dial test indicators
- With fine adjustment and dovetail groove



| Code | Magnetic force | Applicable holding stem | List Price (₹) | Promotion Price (₹) |
|---------|----------------|-------------------------|----------------|---------------------|
| 6216-80 | 80kgf | Ø8mm | 3263 | 2972 |

MAGNETIC STAND (FOR 0.001MM DIAL AND DIAL TEST INDICATORS)

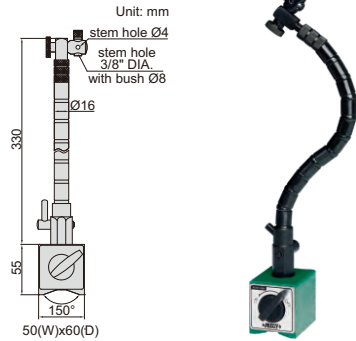
- Applicable holding stem: Ø8mm
- For 0.001mm and 0.01mm dial and dial test indicators
- With fine adjustment and dovetail groove



| Code | Magnetic force | List Price (₹) | Promotion Price (₹) |
|---------|----------------|----------------|---------------------|
| 6221-80 | 80kgf | 4665 | 4199 |

FLEX ARM MAGNETIC STAND

ATTENTION: FOR DIAL TEST INDICATORS ONLY



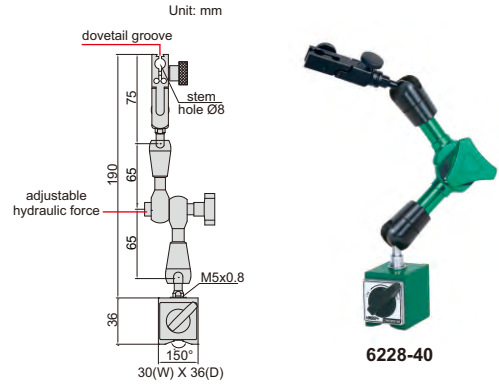
- For dial test indicators
- Applicable holding stem: Ø8mm, Ø4mm, 3/8" DIA.

6207-80A

| Code | Magnetic force | List Price (₹) | Promotion Price (₹) |
|----------|----------------|----------------|---------------------|
| 6207-80A | 80kgf | 2272 | 2045 |

HYDRAULIC MINI MAGNETIC STAND

ATTENTION: FOR DIAL TEST INDICATORS ONLY



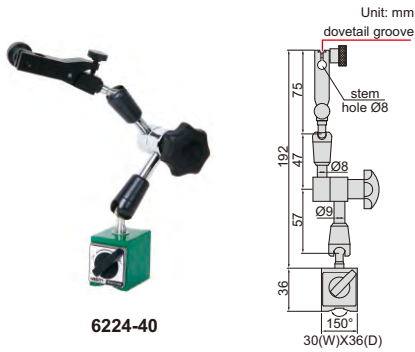
- For dial test indicators
- With fine adjustment and dovetail groove
- Adjustable hydraulic force
- Applicable holding stem: Ø8mm

6228-40

| Code | Magnetic force | List Price (₹) | Promotion Price (₹) |
|---------|----------------|----------------|---------------------|
| 6228-40 | 40kgf | 7069 | 5655 |

MINI MAGNETIC STAND

ATTENTION: FOR DIAL TEST INDICATORS ONLY



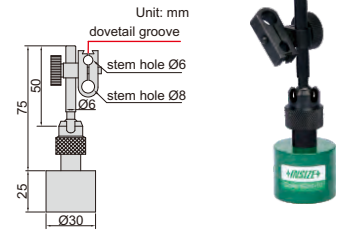
- For dial test indicators
- With fine adjustment and dovetail groove
- Applicable holding stem: Ø8mm

6224-40

| Code | Magnetic force | List Price (₹) | Promotion Price (₹) |
|---------|----------------|----------------|---------------------|
| 6224-40 | 40kgf | 5343 | 4809 |

MINI MAGNETIC STAND

ATTENTION: FOR DIAL TEST INDICATORS ONLY



- For dial test indicators
- With dovetail groove
- Applicable holding stem: Ø6mm, Ø8mm

6211-10

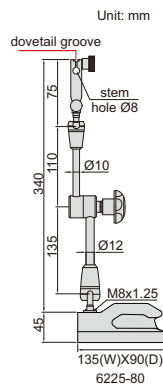
| Code | Magnetic force | List Price (₹) | Promotion Price (₹) |
|---------|----------------|----------------|---------------------|
| 6211-10 | 10kgf | 2336 | 1796 |

UNIVERSAL DIAL INDICATOR STANDS (NON-MAGNETIC)

- Hardened base
- Suitable for granite surface plates and cast iron surface plates
- For digital/dial indicators and dial test indicators



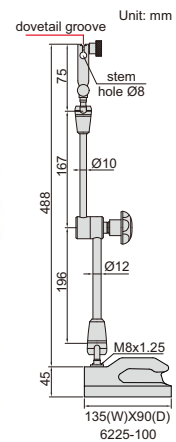
6225-80



Unit: mm



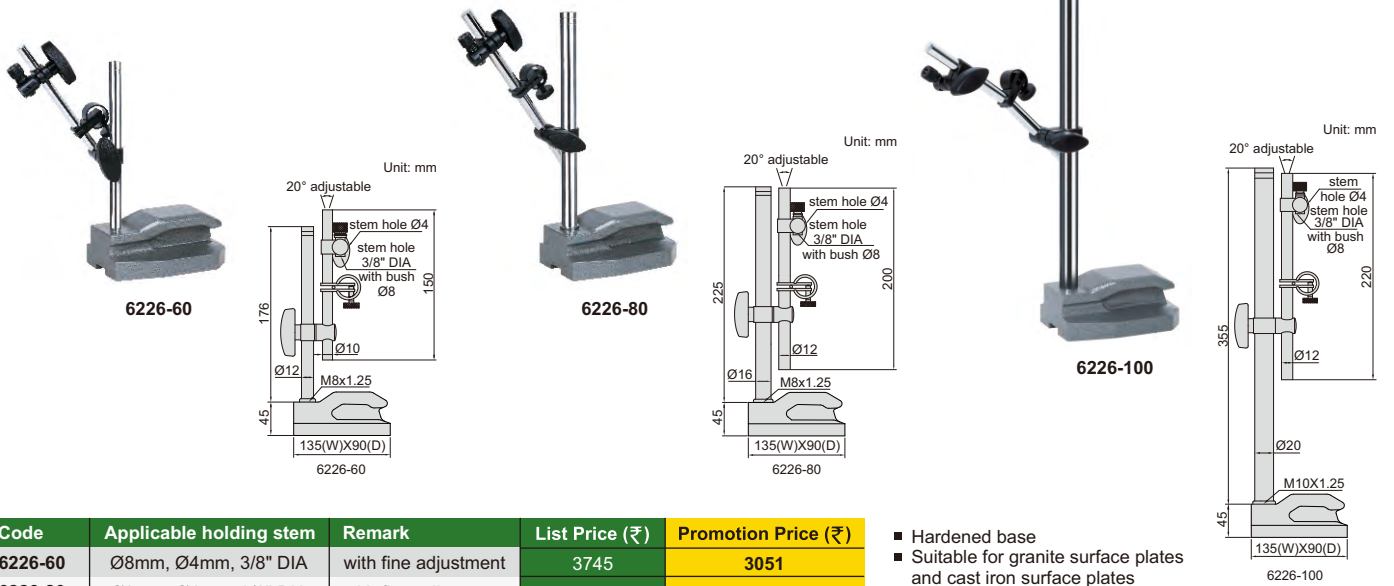
6225-100



Unit: mm

| Code | Applicable holding stem | Remark | List Price (₹) | Promotion Price (₹) |
|----------|-------------------------|------------------------------------------|----------------|---------------------|
| 6225-80 | Ø8mm | with fine adjustment and dovetail groove | 6992 | 6293 |
| 6225-100 | Ø8mm | with fine adjustment and dovetail groove | 8135 | 7322 |

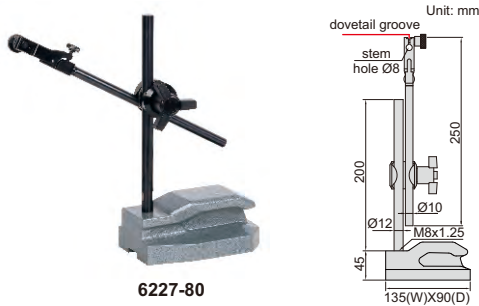
DIAL INDICATOR STANDS (NON-MAGNETIC)



| Code | Applicable holding stem | Remark | List Price (₹) | Promotion Price (₹) |
|----------|-------------------------|----------------------|----------------|---------------------|
| 6226-60 | Ø8mm, Ø4mm, 3/8" DIA | with fine adjustment | 3745 | 3051 |
| 6226-80 | Ø8mm, Ø4mm, 3/8" DIA | with fine adjustment | 3579 | 3221 |
| 6226-100 | Ø8mm, Ø4mm, 3/8" DIA | with fine adjustment | 5263 | 4736 |

- Hardened base
- Suitable for granite surface plates and cast iron surface plates
- For digital/dial indicators and dial test indicators

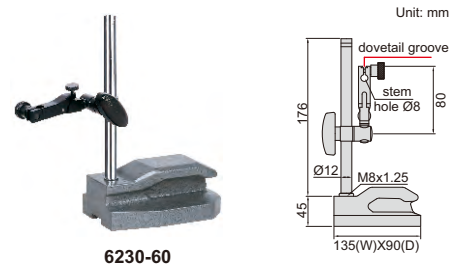
DIAL INDICATOR STAND (NON-MAGNETIC)



- Hardened base
- Suitable for granite surface plates and cast iron surface plates
- For digital/dial indicators and dial test indicators
- With fine adjustment and dovetail groove

| Code | Applicable holding stem | List Price (₹) | Promotion Price (₹) |
|---------|-------------------------|----------------|---------------------|
| 6227-80 | Ø8mm | 5324 | 4337 |

DIAL INDICATOR STAND (FOR 0.001MM DIAL AND DIAL TEST INDICATORS)



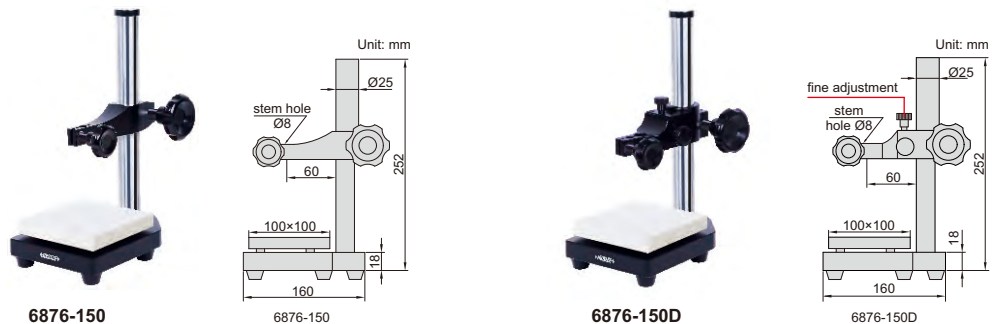
- Non-magnetic and hardened base
- Suitable for granite surface plates or cast iron surface plates
- For 0.001mm and 0.01mm dial and dial test indicators
- With fine adjustment and dovetail groove

| Code | Applicable holding stem | List Price (₹) | Promotion Price (₹) |
|---------|-------------------------|----------------|---------------------|
| 6230-60 | Ø8mm | 5922 | 4915 |

DIAL INDICATOR STANDS

POPULAR MODEL

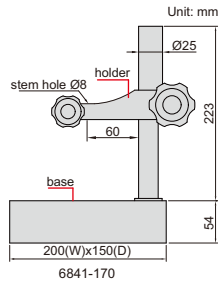
- Vertical travel of holder: 150mm
- Applicable holding stem: Ø8mm
- Ceramic anvil
- Supplied with dust cover



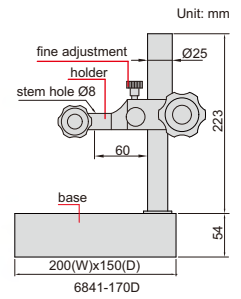
| Code | Anvil | Remark | List Price (₹) | Promotion Price (₹) |
|-----------|--------------------------------|-------------------------------------------------|----------------|---------------------|
| 6876-150 | ceramic, plain, flatness 1.5µm | without fine adjustment | 16648 | 14151 |
| 6876-150D | ceramic, plain, flatness 1.5µm | with fine adjustment, fine adjustment range 3mm | 23814 | 22624 |

GRANITE DIAL INDICATOR STANDS (BASIC TYPE)

POPULAR MODEL



6841-170



6841-170D

- Vertical travel of holder: 170mm
- Applicable holding stem: Ø8mm
- Supplied with dust cover

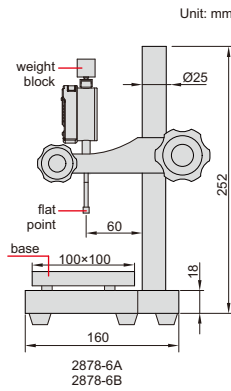
| Code | Base | Remark | List Price (₹) | Promotion Price (₹) |
|-----------|----------------|-------------------------------------------------|----------------|---------------------|
| 6841-170 | flatness 2.5µm | without fine adjustment | 13446 | 11429 |
| 6841-170D | flatness 2.5µm | with fine adjustment, fine adjustment range 3mm | 19286 | 18321 |

DIGITAL RUBBER THICKNESS GAGES

DATA OUTPUT



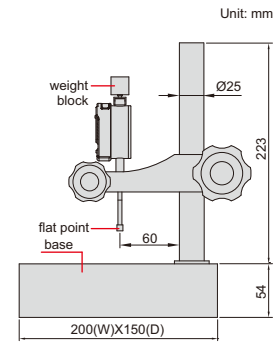
2878-6B



2878-6A
2878-6B



2878-71B



2878-71A
2878-71B

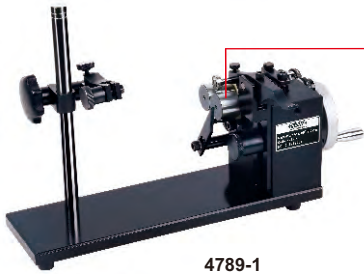
- Flat point diameter: 6mm
- Measure thickness of vulcanized rubber and plastic products
- Button function: on/off, inch/mm, zero, data preset, change measuring direction, absolute/incremental measurement
- CR2032 battery, automatic power off (time is adjustable)
- Supplied with dust cover
- Optional accessory: data output cable (code 7315-50M, 7302-50M), flat points, weight blocks

| Code | Range | Resolution | Accuracy | Pressure | Base | List Price (₹) | Promotion Price (₹) |
|----------|-------------|------------------|----------|------------|--------------------------------|----------------|---------------------|
| 2878-6A | 12.7mm/0.5" | 0.01mm/0.0005" | 20µm | 22kPa±5kPa | ceramic, plain, flatness 1.5µm | 25003 | 23752 |
| 2878-6B | 12.7mm/0.5" | 0.001mm/0.00005" | 5µm | 22kPa±5kPa | ceramic, plain, flatness 1.5µm | 31003 | 29452 |
| 2878-71A | 12.7mm/0.5" | 0.01mm/0.0005" | 20µm | 22kPa±5kPa | granite, plain, flatness 2.5µm | 21725 | 20639 |
| 2878-71B | 12.7mm/0.5" | 0.001mm/0.00005" | 5µm | 22kPa±5kPa | granite, plain, flatness 2.5µm | 27726 | 26340 |

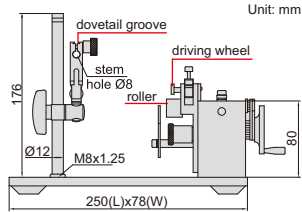
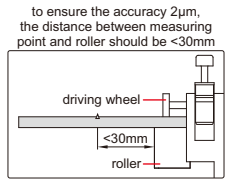
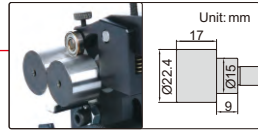
Flat points and weight blocks (optional)

| Flat point | Flat point code | Pressure | | | | |
|-------------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | 10kPa±2kPa | 22kPa±5kPa | 20kPa±3kPa | 70kPa±5kPa | 1.6kPa±0.1kPa |
| | | Weight block code | Weight block code | Weight block code | Weight block code | Weight block code |
| Ø4mm | 2878-P4 | — | 2878-W4B | — | — | — |
| Ø5mm | 2878-P5 | 2878-W5A | 2878-W5B | 2878-W5C | 2878-W5D | — |
| Ø6mm | 2878-P6 | 2878-W6A | 2878-W6B | — | — | — |
| Ø8mm | 2878-P8 | 2878-W8A | 2878-W8B | — | — | — |
| Ø10mm | 2878-P10 | 2878-W10A | 2878-W10B | 2878-W10C | — | — |
| Ø25mm | 2878-P25 | — | — | — | — | 2878-W25E |
| 1x4mm (rectangle) | 2878-P14 | — | — | — | 2878-W14D | — |

CONCENTRICITY GAGE



4789-1



- Applicable diameter: Ø3.5mm-25mm
- Optional accessory: dial test indicator

| Code | Accuracy | List Price (₹) | Promotion Price (₹) |
|--------|----------|----------------|---------------------|
| 4789-1 | 2µm | 76068 | 69488 |

CONCENTRICITY GAGE

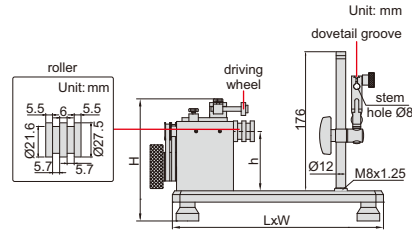
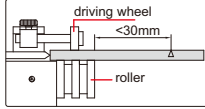
HIGH STABILITY,
LONG WORKING LIFE

dial test indicator
is optional

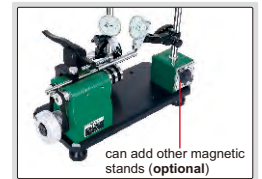


4725-45

to ensure the accuracy 2µm,
the distance between measuring
point and roller should be <30mm



- With ball bearing, high stability, long working life
- Accuracy: 2µm
- Diameter range: 3-45mm
- Center height (h): 80mm
- Optional accessory: dial test indicator

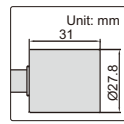
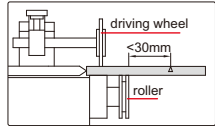


| Code | LxWxH | Weight | List Price (₹) | Promotion Price (₹) |
|---------|---------------|--------|----------------|---------------------|
| 4725-45 | 280x130x170mm | 6kg | 84170 | 81645 |

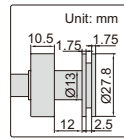
CONCENTRICITY GAGES

QUICK-POSITIONING, SUITABLE
FOR MASS MEASUREMENT

to ensure the accuracy 2µm,
the distance between measuring
point and roller should be <30mm

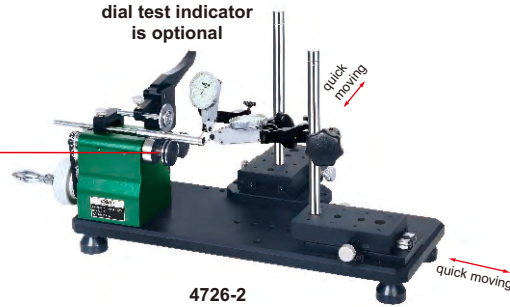


4726-1



4726-2

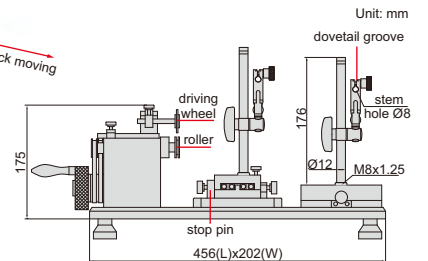
dial test indicator
is optional



4726-2

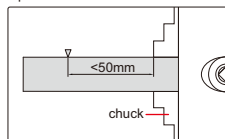
- With ball bearing, high stability, long working life
- Accuracy: 2µm
- Optional accessory: dial test indicator

| Code | Applicable diameter | List Price (₹) | Promotion Price (₹) |
|--------|---------------------|----------------|---------------------|
| 4726-1 | Ø4-40mm | 224924 | 202432 |
| 4726-2 | Ø2-40mm | 230231 | 207208 |

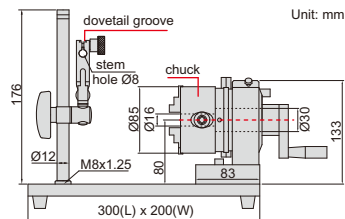


CONCENTRICITY GAGE

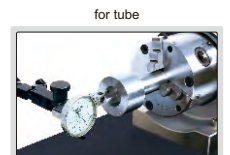
to ensure the accuracy 3µm,
the distance between measuring
point and roller should be <50mm



4786-1



for cylinder



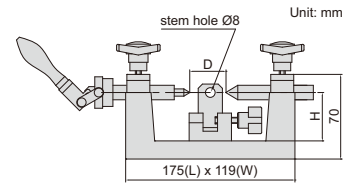
for tube

- Accuracy: 3µm
- Ø50mm setting ring and Ø55mm calibration cylinder are included
- Optional accessory: dial test indicator

| Code | Applicable inside diameter | Applicable outside diameter | List Price (₹) | Promotion Price (₹) |
|--------|----------------------------|-----------------------------|----------------|---------------------|
| 4786-1 | Ø24-64mm | Ø2-70mm | 204636 | 198497 |

MINI BENCH CENTER

- Distance between two centers (D): 35-100mm
- Diameter of center (Ød): 6mm
- Taper of center: MT1

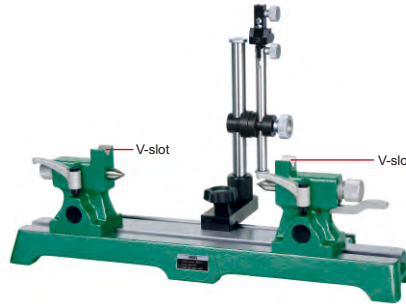


4721-75A

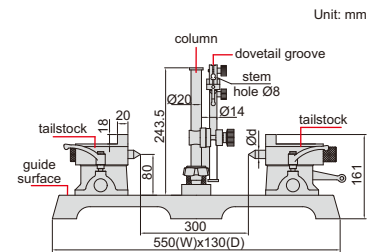
| Code | Runout accuracy | Center height (H) | Weight | Load | List Price (₹) | Promotion Price (₹) |
|----------|-----------------|-------------------|--------|------|----------------|---------------------|
| 4721-75A | 2µm | 40mm | 4.5kg | 4kg | 91963 | 82767 |

BENCH CENTER (BASIC TYPE)

- Runout accuracy: 2µm
- Distance between two centers: 300mm
- Taper of center: MT1
- Hardened cast-iron guide surface
- Movable column
- V-slot for cylinder Ø4~Ø22mm



4782-300

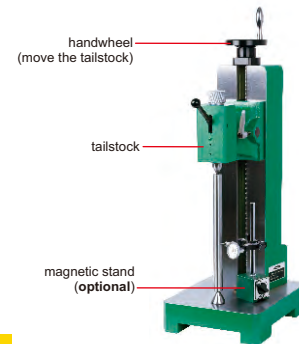
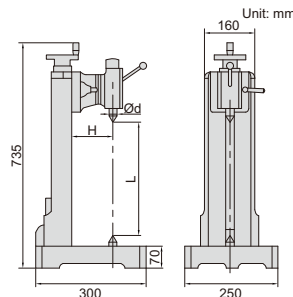


| Code | Parallelism * | Center height | Diameter of center (Ød) | Load | List Price (₹) | Promotion Price (₹) |
|----------|---------------|---------------|-------------------------|------|----------------|---------------------|
| 4782-300 | 0.01mm | 80mm | Ø16mm | 25kg | 112549 | 109173 |

*Parallelism of two centers to the guide surface

VERTICAL BENCH CENTER

- Runout accuracy: 2µm
- Distance between two centers (L): 360mm
- Diameter of center (Ød): 24.1mm
- Taper of center: MT3
- Hardened cast-iron guide surface
- Use handwheel to move the tailstock
- Optional accessory: magnetic stands, dial test indicators



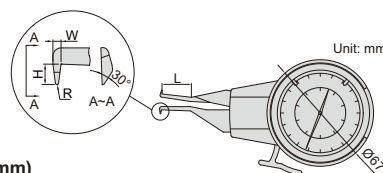
4728-360

| Code | Parallelism * | Center height (H) | Weight | Load | List Price (₹) | Promotion Price (₹) |
|----------|---------------|-------------------|--------|------|----------------|---------------------|
| 4728-360 | 0.01mm | 130mm | 85kg | 80kg | ON REQUEST | ON REQUEST |

*Parallelism of two centers to the guide surface

INTERNAL DIAL CALIPER GAGES

- Graduation: 0.01mm
- Accuracy: ±0.03mm



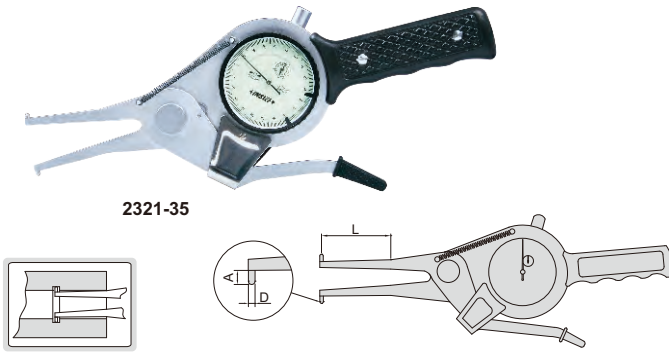
2222-15

| Code | Range | L | H | W | R | List Price (₹) | Promotion Price (₹) |
|----------|---------|----|-----|-----|------|----------------|---------------------|
| 2222-15 | 5-15mm | 20 | 2 | 1.5 | R0.3 | 11490 | 9857 |
| 2222-25 | 5-25mm | 35 | 1.5 | 1.0 | R0.3 | 12461 | 10691 |
| 2222-301 | 10-30mm | 55 | 5.5 | 2.5 | R0.5 | 13756 | 11803 |

INTERNAL DIAL CALIPER GAGES

- Graduation: 0.01mm
- Accuracy: ± 0.04 mm
- Carbide measuring tips

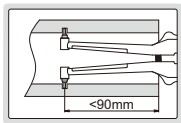
(mm)



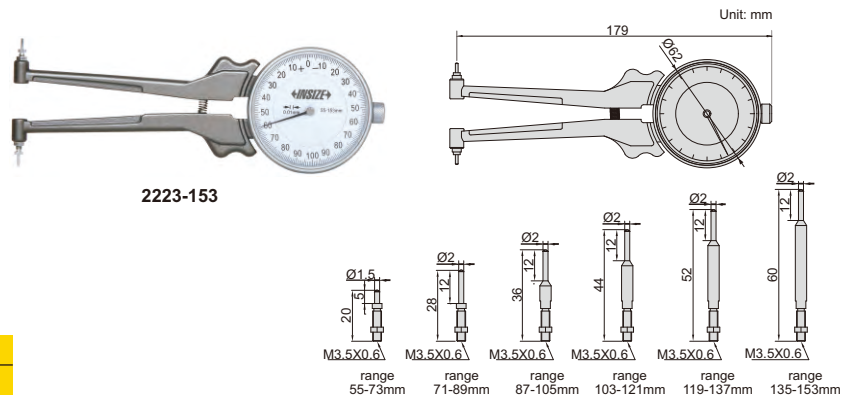
2321-35

| Code | Range | L | A | D | List Price (₹) | Promotion Price (₹) |
|-----------|-----------|-----|----|------|----------------|---------------------|
| 2321-35 | 15-35mm | 50 | 3 | Ø3 | 9622 | 8790 |
| 2321-AL35 | 15-35mm | 200 | 3 | Ø3 | 25286 | 23099 |
| 2321-55 | 35-55mm | 80 | 6 | Ø3 | 9622 | 8790 |
| 2321-AL55 | 35-55mm | 250 | 8 | Ø3 | 25286 | 23099 |
| 2321-75 | 55-75mm | 90 | 8 | Ø3 | 9833 | 8982 |
| 2321-AL75 | 55-75mm | 250 | 8 | Ø3 | 25286 | 23099 |
| 2321-95 | 75-95mm | 100 | 8 | Ø3 | 10043 | 9175 |
| 2321-115 | 95-115mm | 120 | 10 | Ø3.2 | 12638 | 11546 |
| 2321-135 | 115-135mm | 120 | 10 | Ø3.2 | 13080 | 11949 |

INTERNAL DIAL CALIPER GAGE WITH INTERCHANGEABLE POINTS



6 pair of points (included)

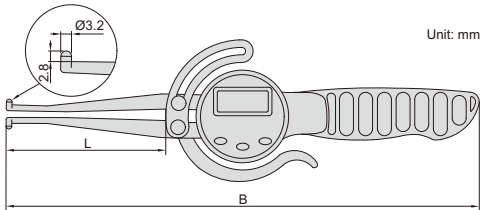


2223-153

- Graduation: 0.01mm
- Accuracy: ± 0.02 mm
- Dial indicator range: 2mm
- Supplied with 6 pairs of points

| Code | Range | List Price (₹) | Promotion Price (₹) |
|----------|----------|----------------|---------------------|
| 2223-153 | 55-153mm | 13717 | 11716 |

DIGITAL INTERNAL CALIPER GAGES (ECONOMIC TYPE)



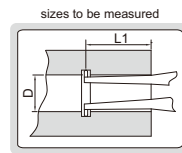
Unit: mm



2711-165

- Resolution: 0.1mm/0.01"
- Accuracy: ± 0.3 mm
- Repeatability: 0.2mm
- Button function: on/off, zero, mm/inch, data hold
- Battery CR2032, automatic power off

| Code | Range | L | B | List Price (₹) | Promotion Price (₹) |
|----------|---------------------|-----|-----|----------------|---------------------|
| 2711-165 | 12.7-165mm/0.5-6.5" | 85 | 252 | 4702 | 4232 |
| 2711-216 | 12.7-216mm/0.5-8.5" | 160 | 327 | 5166 | 4649 |

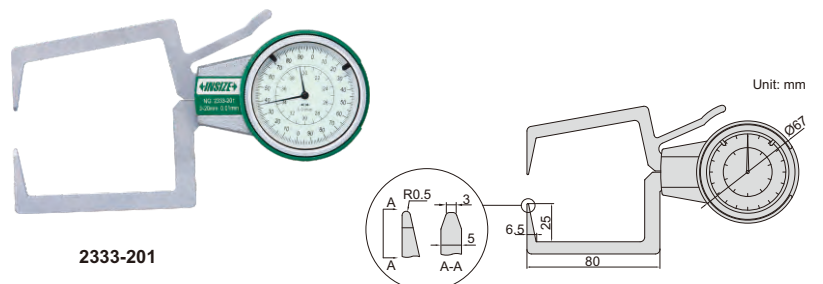


| Code 2711-165 (mm) | | Code 2711-216 (mm) | |
|--------------------|-----|--------------------|------|
| D | L1 | D | L1 |
| Ø13 | <42 | Ø13 | <50 |
| Ø15 | <45 | Ø15 | <55 |
| Ø17 | <50 | Ø17 | <60 |
| Ø20 | <60 | Ø20 | <65 |
| Ø25 | <75 | Ø25 | <75 |
| Ø27 | <80 | Ø30 | <95 |
| Ø29-165 | <85 | Ø35-216 | <160 |

EXTERNAL DIAL CALIPER GAGES

- Graduation: 0.01mm
- Accuracy: ± 0.3 mm

| Code | Range | List Price (₹) | Promotion Price (₹) |
|----------|---------|----------------|---------------------|
| 2333-201 | 0-20mm | 12461 | 11215 |
| 2333-301 | 10-30mm | 13882 | 12494 |
| 2333-401 | 20-40mm | 13882 | 12494 |



2333-201

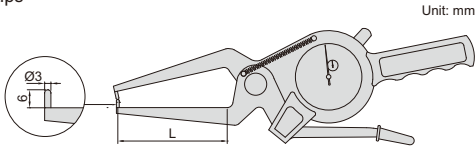
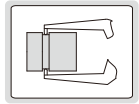
Unit: mm

EXTERNAL DIAL CALIPER GAGES



2332-20

- Accuracy: $\pm 0.04\text{mm}$
- Carbide measuring tips



Unit: mm

(mm)

| Code | Range | Graduation | L | List Price (₹) | Promotion Price (₹) |
|----------|----------|------------|----|----------------|---------------------|
| 2332-20 | 0-20mm | 0.01mm | 60 | 9554 | 8728 |
| 2332-40 | 20-40mm | 0.01mm | 60 | 9554 | 8728 |
| 2332-60 | 40-60mm | 0.01mm | 55 | 9556 | 8729 |
| 2332-80 | 60-80mm | 0.01mm | 55 | 9964 | 9103 |
| 2332-100 | 80-100mm | 0.01mm | 55 | 10782 | 9850 |

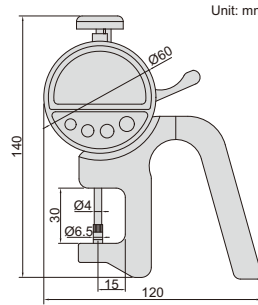
HIGH PRECISION DIGITAL THICKNESS GAGE

MEASURING TIPS AND ANVILS CAN BE CUSTOM-MADE

ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

DATA OUTPUT

ATTENTION: RECHARGEABLE BATTERY, FOR 12 HOURS CONTINUOUS WORKING



Unit: mm



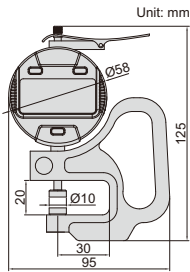
2879-10

- Resolution: 0.001mm/0.00005"
- Absolute encoder, the original data remains after power off
- Button function: on/off, zero, tolerance, absolute/incremental measurement, max./min./TIR, data preset, mm/inch, data output, data hold
- Measuring force: 0.5-1N
- Reading in digital and analog
- Power: rechargeable battery, for 12 hours continuous working
- Data output
- Supplied with data output cable (keyboard format)

| Code | Range | Accuracy | Repeatability | List Price (₹) | Promotion Price (₹) |
|---------|---------------|----------------------|---------------|----------------|---------------------|
| 2879-10 | 0-10mm/0-0.4" | $\pm 0.002\text{mm}$ | 0.001mm | 54415 | 48974 |

DIGITAL THICKNESS GAGES

DATA OUTPUT



Unit: mm



2871-101

- Ceramic spindle tip and anvil
- Button function: on/off, inch/mm, zero, data preset, change measuring direction, absolute/incremental measurement
- Keep preset data in memory after restart
- CR2032 battery, data output
- Automatic power off (time is adjustable)
- Optional accessory: data output cable (code 7315-50M, 7302-50M)

| Code | Range | Resolution | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|---------------|------------------|----------------------|----------------|---------------------|
| 2871-10 | 0-10mm/0-0.4" | 0.01mm/0.0005" | $\pm 0.02\text{mm}$ | 7259 | 5781 |
| 2871-101 | 0-10mm/0-0.4" | 0.001mm/0.00005" | $\pm 0.005\text{mm}$ | 15089 | 11055 |

THICKNESS GAGES

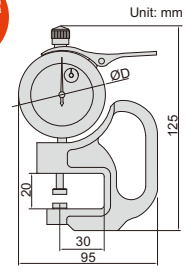
POPULAR MODEL



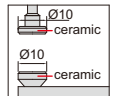
2364-10



2364-1



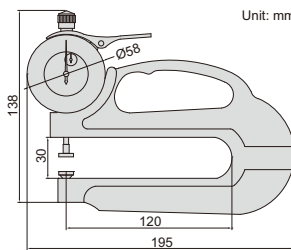
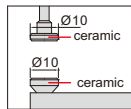
Unit: mm



| Code | Range | Graduation | Accuracy | ØD | List Price (₹) | Promotion Price (₹) |
|---------|--------|------------|----------------------|------|----------------|---------------------|
| 2364-10 | 0-10mm | 0.01mm | $\pm 0.02\text{mm}$ | 58mm | 4075 | 3255 |
| 2364-1 | 0-1mm | 0.001mm | $\pm 0.005\text{mm}$ | 56mm | 7492 | 6752 |

THICKNESS GAGES

measuring tips and anvils can be custom-made



Unit: mm



2365-10

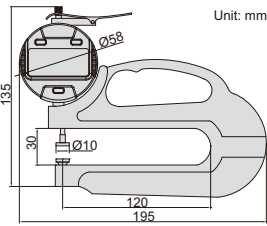
| Code | Range | Graduation | Accuracy | List Price (₹) | Promotion Price (₹) |
|---------|--------|------------|---------------------|----------------|---------------------|
| 2365-10 | 0-10mm | 0.01mm | $\pm 0.02\text{mm}$ | 6796 | 6007 |
| 2365-20 | 0-20mm | 0.01mm | $\pm 0.03\text{mm}$ | 10014 | 9013 |

DIGITAL THICKNESS GAGES

DATA OUTPUT

- Ceramic spindle tip and anvil
- Buttons: on/off, inch/mm, zero, data preset, change measuring direction, absolute/incremental measurement
- Keep preset data in memory after restart
- Battery CR2032, data output
- Automatic power off (time is adjustable)
- Optional accessory: data output cable (code 7315-50M, 7302-50M)

measuring tips and anvils can be custom-made



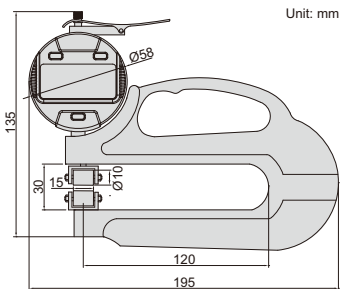
2872-10

| Code | Range | Resolution | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|---------------|------------------|----------|----------------|---------------------|
| 2872-10 | 0-10mm/0-0.4" | 0.01mm/0.0005" | ±0.02mm | 8736 | 7862 |
| 2872-101 | 0-10mm/0-0.4" | 0.001mm/0.00005" | ±0.01mm | 17208 | 16348 |

DIGITAL ROLLER THICKNESS GAGE

DATA OUTPUT

- Buttons: on/off, inch/mm, zero, data preset, change measuring direction, absolute/incremental measurement
- Keep preset data in memory after restart
- Battery CR2032, automatic power off (time is adjustable)
- Data output
- Optional accessory: data output cable (code 7315-50M, 7302-50M)



2877-4

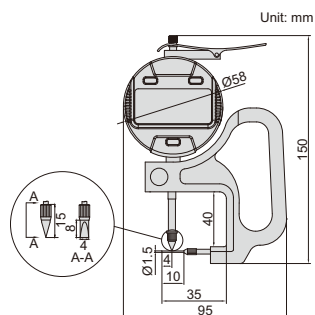
| Code | Range | Resolution | Accuracy | List Price (₹) | Promotion Price (₹) |
|--------|-----------------|----------------|----------|----------------|---------------------|
| 2877-4 | 0-4.5mm/0-0.18" | 0.01mm/0.0005" | ±0.02mm | 45656 | 44286 |

DIGITAL TUBE THICKNESS GAGE

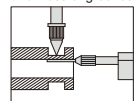
DATA OUTPUT



2873-10



measure wall thickness of grooves



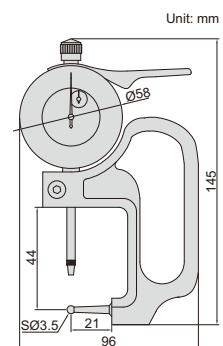
- Buttons: on/off, inch/mm, zero, data preset, change measuring direction, absolute/incremental measurement
- Keep preset data in memory after restart
- Battery CR2032, automatic power off (time is adjustable)
- Data output
- Optional accessory: data output cable (code 7315-50M, 7302-50M)

| Code | Range | Resolution | Accuracy | List Price (₹) | Promotion Price (₹) |
|---------|---------------|----------------|----------|----------------|---------------------|
| 2873-10 | 0-10mm/0-0.4" | 0.01mm/0.0005" | ±0.02mm | 11312 | 10181 |

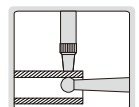
TUBE THICKNESS GAGE



2367-10A



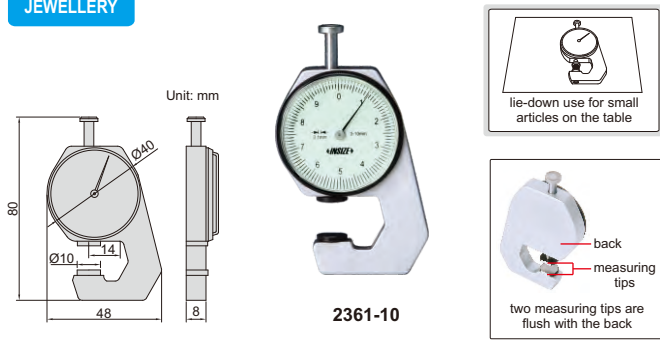
- Graduation: 0.01mm
- Measure tube wall thickness



| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|--------|----------|----------------|---------------------|
| 2367-10A | 0-10mm | ±0.02mm | 8778 | 8339 |

THICKNESS GAGE

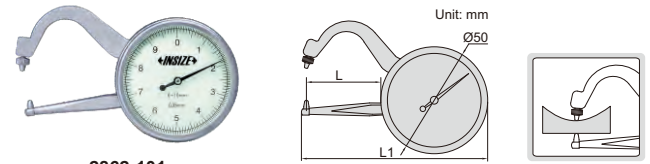
SUITABLE FOR JEWELLERY



2361-10

| Code | Range | Graduation | Accuracy | List Price (₹) | Promotion Price (₹) |
|---------|--------|------------|----------|----------------|---------------------|
| 2361-10 | 0-10mm | 0.1mm | ±0.05mm | 2339 | 2136 |

THICKNESS GAGES



2862-101

(mm)

| Code | Range | Graduation | Accuracy | L | L1 | List Price (₹) | Promotion Price (₹) |
|----------|--------|------------|----------|----|-----|----------------|---------------------|
| 2862-101 | 0-10mm | 0.05mm | ±0.1mm | 35 | 85 | 3294 | 2628 |
| 2862-102 | 0-10mm | 0.05mm | ±0.1mm | 60 | 110 | 3896 | 3779 |

THICKNESS GAGE



2863-10

| Code | Range | Graduation | Accuracy | List Price (₹) | Promotion Price (₹) |
|---------|--------|------------|----------|----------------|---------------------|
| 2863-10 | 0-10mm | 0.05mm | ±0.1mm | 3287 | 2630 |

DIGITAL THICKNESS GAGE



2710-25

- Resolution: 0.01mm, 0.001", 1/64"
- Repeatability: 0.02mm
- Buttons: on/off, zero, unit (mm/in/fraction), data hold
- Battery CR2032, automatic power off

| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|---------|---------------|----------|----------------|---------------------|
| 2710-25 | 0-25.4mm/0-1" | 0.05mm | 3833 | 2875 |

THICKNESS GAGE WITH POINTED TIPS



2866-10

- Graduation: 0.05mm
- Pointed tips fit into small grooves and recesses

| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|---------|--------|----------|----------------|---------------------|
| 2866-10 | 0-10mm | ±0.1mm | 4358 | 3922 |

THICKNESS GAGE



2363-10

- Graduation: 0.01mm
- Stainless steel spindle tip and anvil

| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|---------|--------|----------|----------------|---------------------|
| 2363-10 | 0-10mm | ±0.03mm | 4445 | 4061 |

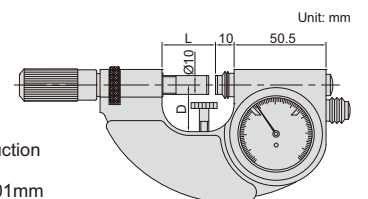
DIAL SNAP GAGES

ATTENTION: SETTING STANDARDS ARE NOT INCLUDED

IP54 WATERPROOF



3334-25



- Quick measurement for mass production
- Dial indicator: range ±0.04mm, graduation 0.001mm, accuracy 0.001mm
- IP54 dust/waterproof
- Measuring force: 5-10N
- Carbide measuring faces
- Optional accessory: gage blocks grade 0 (4101-A series), for zero setting

(mm)

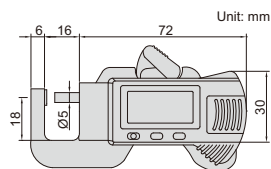
| Code | Range | L | D | List Price (₹) | Promotion Price (₹) |
|----------|----------|-------|------|----------------|---------------------|
| 3334-25 | 0-25mm | 28.5 | 25 | 28227 | 25785 |
| 3334-50 | 25-50mm | 53.5 | 35 | 31013 | 28331 |
| 3334-75 | 50-75mm | 78.5 | 47.5 | 34430 | 31452 |
| 3334-100 | 75-100mm | 103.5 | 60 | 36966 | 33768 |

DIGITAL SNAP GAGE

ATTENTION: NO DATA OUTPUT



2166-12



| Code | Range | Resolution | Accuracy | List Price (₹) | Promotion Price (₹) |
|---------|---------------|----------------|----------|----------------|---------------------|
| 2166-12 | 0-12mm/0-0.5" | 0.01mm/0.0005" | ±0.03mm | 8328 | 7607 |

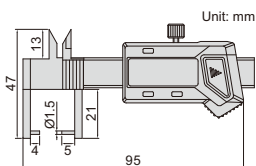
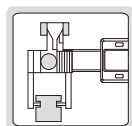
DIGITAL 3-PURPOSE SNAP GAGE

SUITABLE FOR JEWELLERY

ATTENTION: NO DATA OUTPUT



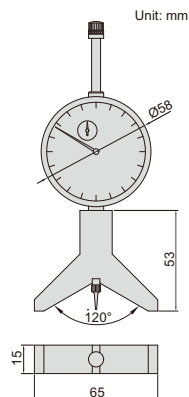
2164-25A



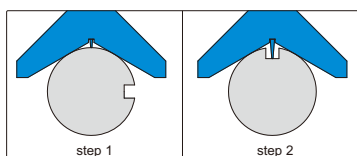
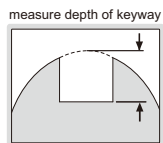
- Resolution: 0.01mm/0.0005"
- Buttons: zero, mm/inch, on/off
- Battery LR44
- Made of stainless steel

| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|-------------|----------|----------------|---------------------|
| 2164-25A | 0-25mm/0-1" | ±0.03mm | 10739 | 9383 |

DIAL KEYWAY DEPTH GAGE



2189-30



- Graduation: 0.01mm
- Measure keyway depth of cylindrical workpieces with diameter Ø10-100mm
- Stainless steel base
- Pointed tip

| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|---------|--------|----------|----------------|---------------------|
| 2189-30 | 0-30mm | ±0.03mm | 10791 | 9712 |

STEP AND GAP GAGE

DATA OUTPUT



front



back

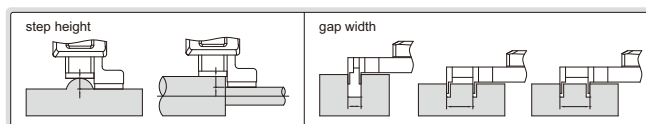
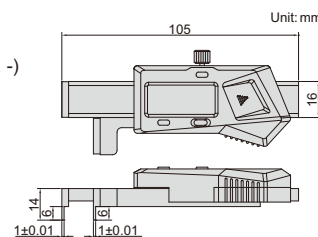
2168-12



zero setting block (included)



- Resolution: 0.01mm/0.0005"
- Measure step height and gap width
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Supplied with zero setting block
- Optional accessory: data output cable (code 7315-21, 7302-21)



| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|---------|-----------------|----------|----------------|---------------------|
| 2168-12 | 0-12.7mm/0-0.5" | ±0.03mm | 13130 | 11817 |

MICROMETER INSPECTION GAGE BLOCK SET

INSPECTION CERTIFICATE

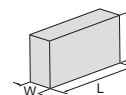


application



4160-10

optical flat (included)



- Meet ISO3650/grade 0
- One piece of optical flat is included (size Ø30x12mm)
- Supplied with manufacturer inspection certificate

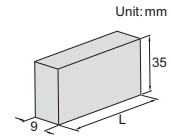
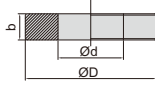
Dimension:

| Size (L) | W | H |
|----------------|-----|------|
| 0.5 ≤ L ≤ 10mm | 9mm | 30mm |
| L > 10mm | 9mm | 35mm |

| Code | Material | Gage blocks included in set | Applicable micrometer | List Price (₹) | Promotion Price (₹) |
|---------|-------------|-------------------------------------------------------------------------|-----------------------|----------------|---------------------|
| 4160-10 | alloy steel | 2.5mm, 5.1mm, 7.7mm, 10.3mm, 12.9mm, 15mm, 17.6mm, 20.2mm, 22.8mm, 25mm | 0-25mm | 31224 | 28523 |

CALIPER INSPECTION GAGE BLOCK AND RING GAGE SET

- Ring gages included in set (Ød): 4mm, 25mm
- Gage blocks meet ISO3650
- Ring gages meet DIN2250-1:2008
- Supplied with manufacturer inspection certificate



Setting ring sizes:

| Diameter (Ød) * | b | ØD |
|-----------------|------|------|
| Ø4mm | 5mm | 22mm |
| Ø25mm | 14mm | 53mm |

*The size of the ring gage when supplied may have deviation. For example, the size Ø25mm may be 24.996mm

Grade of gage blocks: 2

(mm)

| Code | Material | Gage blocks included in set (L) | Applicable calipers | List Price (₹) | Promotion Price (₹) |
|---------|-------------|---------------------------------|---------------------|----------------|---------------------|
| 4176-30 | alloy steel | 30, 41.3, 131.4 | 0-150 | 12667 | 11486 |

4176-30

INDIVIDUAL STEEL GAGE BLOCKS

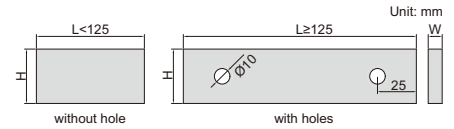
CUSTOM-MADE
CAN SUPPLY ANY SIZES FROM 0.5 TO 1000MM, SUCH AS 72.672MM



4101-B70



4101-B200



- Grade 1
- Meet ISO3650
- Made of alloy steel
- Gage blocks with clamping holes: 125, 150, 175, 200, 250, 300, 400, 500, 600, 700, 800, 900, 1000mm
- Supplied with manufacturer inspection certificate

Dimension:

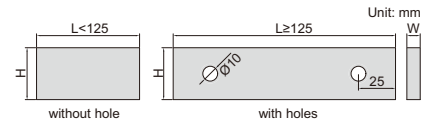
| Size (L) | W | H |
|----------------|-----|------|
| 0.5 ≤ L ≤ 10mm | 9mm | 30mm |
| L > 10mm | 9mm | 35mm |

| Code | Size (mm) | List Price (₹) | Promotion Price (₹) |
|-------------|-----------|----------------|---------------------|
| 4101-BD5 | 0.5 | 1254 | 1145 |
| 4101-B1 | 1 | 838 | 765 |
| 4101-B1D001 | 1.001 | 983 | 897 |
| 4101-B1D002 | 1.002 | 983 | 897 |
| 4101-B1D003 | 1.003 | 983 | 897 |
| 4101-B1D004 | 1.004 | 983 | 897 |
| 4101-B1D005 | 1.005 | 983 | 897 |
| 4101-B1D006 | 1.006 | 983 | 897 |
| 4101-B1D009 | 1.009 | 983 | 897 |
| 4101-B1D01 | 1.01 | 983 | 897 |
| 4101-B1D02 | 1.02 | 983 | 897 |
| 4101-B1D03 | 1.03 | 983 | 897 |
| 4101-B1D04 | 1.04 | 983 | 897 |
| 4101-B1D05 | 1.05 | 983 | 897 |
| 4101-B1D06 | 1.06 | 983 | 897 |
| 4101-B1D07 | 1.07 | 983 | 897 |
| 4101-B1D08 | 1.08 | 983 | 897 |
| 4101-B1D09 | 1.09 | 983 | 897 |
| 4101-B1D1 | 1.1 | 983 | 897 |
| 4101-B1D12 | 1.12 | 983 | 897 |
| 4101-B1D15 | 1.15 | 983 | 897 |
| 4101-B1D16 | 1.16 | 983 | 897 |
| 4101-B1D18 | 1.18 | 983 | 897 |
| 4101-B1D19 | 1.19 | 983 | 897 |
| 4101-B1D2 | 1.2 | 983 | 897 |
| 4101-B1D21 | 1.21 | 983 | 897 |
| 4101-B1D22 | 1.22 | 983 | 897 |
| 4101-B1D24 | 1.24 | 983 | 897 |
| 4101-B1D25 | 1.25 | 983 | 897 |
| 4101-B1D26 | 1.26 | 983 | 897 |
| 4101-B1D27 | 1.27 | 983 | 897 |

| Code | Size (mm) | List Price (₹) | Promotion Price (₹) |
|------------|-----------|----------------|---------------------|
| 4101-B1D3 | 1.3 | 983 | 897 |
| 4101-B1D32 | 1.32 | 983 | 897 |
| 4101-B1D33 | 1.33 | 983 | 897 |
| 4101-B1D34 | 1.34 | 983 | 897 |
| 4101-B1D35 | 1.35 | 983 | 897 |
| 4101-B1D36 | 1.36 | 983 | 897 |
| 4101-B1D37 | 1.37 | 983 | 897 |
| 4101-B1D4 | 1.4 | 983 | 897 |
| 4101-B1D42 | 1.42 | 983 | 897 |
| 4101-B1D43 | 1.43 | 983 | 897 |
| 4101-B1D45 | 1.45 | 983 | 897 |
| 4101-B1D46 | 1.46 | 983 | 897 |
| 4101-B1D47 | 1.47 | 983 | 897 |
| 4101-B1D48 | 1.48 | 983 | 897 |
| 4101-B1D49 | 1.49 | 983 | 897 |
| 4101-B1D5 | 1.5 | 983 | 897 |
| 4101-B1D7 | 1.7 | 983 | 897 |
| 4101-B1D8 | 1.8 | 983 | 897 |
| 4101-B1D9 | 1.9 | 983 | 897 |
| 4101-B2 | 2 | 838 | 765 |
| 4101-B2D5 | 2.5 | 983 | 897 |
| 4101-B3 | 3 | 838 | 765 |
| 4101-B3D5 | 3.5 | 983 | 897 |
| 4101-B4 | 4 | 838 | 765 |
| 4101-B4D5 | 4.5 | 983 | 897 |
| 4101-B5 | 5 | 838 | 765 |
| 4101-B5D5 | 5.5 | 983 | 897 |
| 4101-B6 | 6 | 858 | 784 |
| 4101-B7 | 7 | 858 | 784 |
| 4101-B7D5 | 7.5 | 1008 | 921 |
| 4101-B8 | 8 | 858 | 784 |

| Code | Size (mm) | List Price (₹) | Promotion Price (₹) |
|-------------|-----------|----------------|---------------------|
| 4101-B8D5 | 8.5 | 1008 | 921 |
| 4101-B9 | 9 | 858 | 784 |
| 4101-B9D5 | 9.5 | 1008 | 921 |
| 4101-B10 | 10 | 938 | 858 |
| 4101-B11 | 11 | 1100 | 1005 |
| 4101-B12 | 12 | 1100 | 1005 |
| 4101-B13 | 13 | 1100 | 1005 |
| 4101-B14 | 14 | 1100 | 1005 |
| 4101-B15 | 15 | 938 | 858 |
| 4101-B16 | 16 | 1100 | 1005 |
| 4101-B18 | 18 | 1100 | 1005 |
| 4101-B20 | 20 | 938 | 858 |
| 4101-B21 | 21 | 1100 | 1005 |
| 4101-B22 | 22 | 1100 | 1005 |
| 4101-B23 | 23 | 1100 | 1005 |
| 4101-B25 | 25 | 938 | 858 |
| 4101-B30 | 30 | 1580 | 1443 |
| 4101-B35 | 35 | 2791 | 2550 |
| 4101-B40 | 40 | 1580 | 1443 |
| 4101-B45 | 45 | 3123 | 2853 |
| 4101-B50 | 50 | 1624 | 1483 |
| 4101-B60 | 60 | 2019 | 1844 |
| 4101-B70 | 70 | 2139 | 1954 |
| 4101-B75 | 75 | 2057 | 1879 |
| 4101-B80 | 80 | 2256 | 2060 |
| 4101-B90 | 90 | 2453 | 2241 |
| 4101-B100 | 100 | 2652 | 2423 |
| 4101-B125 | 125 | 4690 | 4284 |
| 4101-B131D4 | 131.4 | 7719 | 7051 |
| 4101-B150 | 150 | 6588 | 6018 |

STEEL GAGE BLOCK SETS



- Made of alloy steel
- Meet ISO3650
- Gage blocks ≥125mm have clamping holes
- Supplied with manufacturer inspection certificate

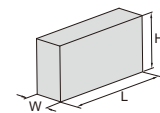
4100-187

Dimension:

| Size (L) | W | H |
|----------------|-----|------|
| 0.5 ≤ L ≤ 10mm | 9mm | 30mm |
| L > 10mm | 9mm | 35mm |

| Blocks per set | Gage blocks included in set | | | Code Grade 1 | List Price (₹) | Promotion Price (₹) | Code Grade 2 | List Price (₹) | Promotion Price (₹) | |
|----------------|-----------------------------|-----------|----------|--------------|----------------|---------------------|--------------|----------------|---------------------|----|
| | Size (mm) | Step (mm) | Quantity | | | | | | | |
| 112 | 1.0005 | 0.001 | 1 | 4100-1112 | 57163 | 47937 | 4100-2112 | 31655 | 24365 | |
| | 1.001-1.009 | | 9 | | | | | | | |
| | 1.01-1.49 | | 0.01 | | | | | | | 49 |
| | 0.5-24.5 | | 0.5 | | | | | | | 49 |
| | 25-100 | 25 | 4 | | | | | | | |
| 87 | 1.001-1.009 | 0.001 | 9 | 4100-187 | 38194 | 32029 | 4100-287 | 20550 | 17658 | |
| | 1.01-1.49 | | 0.01 | | | | | | | 49 |
| | 0.5-9.5 | | 0.5 | | | | | | | 19 |
| | 10-100 | | 10 | | | | | | | 10 |
| 83 | 0.5 | 0.01 | 1 | 4100-183 | 33257 | 28921 | 4100-283 | 19956 | 13654 | |
| | 1 | | 1 | | | | | | | |
| | 1.005 | | 1 | | | | | | | |
| | 1.01-1.49 | | 0.01 | | | | | | | 49 |
| | 1.5-1.9 | | 0.1 | | | | | | | 5 |
| | 2-9.5 | | 0.5 | | | | | | | 16 |
| 10-100 | 10 | 10 | | | | | | | | |
| 34 | 1.0005 | 0.001 | 1 | 4100-134 | 18660 | 13732 | 4100-234 | 10580 | 6837 | |
| | 1.001-1.009 | | 9 | | | | | | | |
| | 1.01-1.09 | | 0.01 | | | | | | | 9 |
| | 1.1-1.9 | | 0.1 | | | | | | | 9 |
| | 1-5 | | 1 | | | | | | | 5 |
| | 10 | | 1 | | | | | | | 1 |

CERAMIC GAGE BLOCK SETS



- Made of ceramic, extremely wear resistance and corrosion resistance, excellent dimension stability
- Meet ISO3650
- Supplied with manufacturer inspection certificate

4105-87

Dimension:

| Size(L) | W | H |
|----------------|-----|------|
| 0.5 ≤ L ≤ 10mm | 9mm | 30mm |
| L > 10mm | 9mm | 35mm |

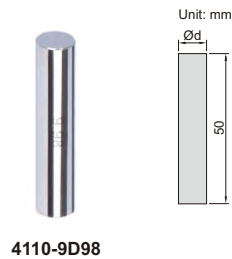
| Blocks per set | Gage blocks included in set | | | Code Grade 0 | List Price (₹) | Promotion Price (₹) | Code Grade 1 | List Price (₹) | Promotion Price (₹) | |
|----------------|-----------------------------|-----------|----------|--------------|----------------|---------------------|--------------|----------------|---------------------|----|
| | Size (mm) | Step (mm) | Quantity | | | | | | | |
| 87 | 1.001-1.009 | 0.001 | 9 | 4105-87 | 228256 | 221408 | 4105-187 | 190028 | 184327 | |
| | 1.01-1.49 | | 0.01 | | | | | | | 49 |
| | 0.5-9.5 | | 0.5 | | | | | | | 19 |
| | 10-100 | | 10 | | | | | | | 10 |
| 32 | 1.005 | 0.01 | 1 | 4105-32 | 98617 | 86962 | 4105-132 | 89890 | 77632 | |
| | 1.01-1.09 | | 9 | | | | | | | |
| | 1.1-1.9 | | 0.1 | | | | | | | 9 |
| | 1-9 | | 1 | | | | | | | 9 |
| | 10-30 | | 10 | | | | | | | 3 |
| | 50 | | 1 | | | | | | | 1 |

INDIVIDUAL STEEL PIN GAGES WITH TWO DECIMAL PLACES (0.01MM STEP)

Ordering examples:

| Diameter | Code |
|----------|------------|
| 0.21mm | 4110-0D21 |
| 5.56mm | 4110-5D56 |
| 16.00mm | 4110-16D00 |

Note : "D" stands for "."



4110-9D98

- Meet DIN2269, grade 1
- Diameter range: Ø0.20~Ø20.00mm
- Diameter accuracy: ±1µm
- Made of alloy steel
- Hardness HRC62-65
- Optional accessory: wooden box (code 7340)

| Code |
|-----------|
| 4110-□□□□ |

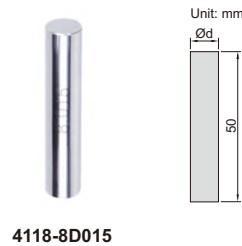
| Diameter Ød (mm) |
|------------------------------------|
| 0.20, 0.21, 0.22, 0.23, ..., 1.00 |
| 1.01, 1.02, 1.03, 1.04, ..., 2.00 |
| 2.01, 2.02, 2.03, 2.04, ..., 3.00 |
| 3.01, 3.02, 3.03, 3.04, ..., 4.00 |
| 4.01, 4.02, 4.03, 4.04, ..., 5.00 |
| 5.01, 5.02, 5.03, 5.04, ..., 6.00 |
| 6.01, 6.02, 6.03, 6.04, ..., 7.00 |
| 7.01, 7.02, 7.03, 7.04, ..., 8.00 |
| 8.01, 8.02, 8.03, 8.04, ..., 9.00 |
| 9.01, 9.02, 9.03, 9.04, ..., 10.00 |

| Diameter Ød (mm) |
|----------------------------------------|
| 10.01, 10.02, 10.03, 10.04, ..., 11.00 |
| 11.01, 11.02, 11.03, 11.04, ..., 12.00 |
| 12.01, 12.02, 12.03, 12.04, ..., 13.00 |
| 13.01, 13.02, 13.03, 13.04, ..., 14.00 |
| 14.01, 14.02, 14.03, 14.04, ..., 15.00 |
| 15.01, 15.02, 15.03, 15.04, ..., 16.00 |
| 16.01, 16.02, 16.03, 16.04, ..., 17.00 |
| 17.01, 17.02, 17.03, 17.04, ..., 18.00 |
| 18.01, 18.02, 18.03, 18.04, ..., 19.00 |
| 19.01, 19.02, 19.03, 19.04, ..., 20.00 |

INDIVIDUAL STEEL PIN GAGES WITH THREE DECIMAL PLACES (0.001MM STEP)



- Meet DIN2269, grade 1
- Diameter range: Ø0.200~Ø30.000mm with three decimal, for example 0.211mm, 5.562mm, 16.298mm
- Diameter accuracy: ±1µm
- Made of alloy steel
- Hardness HRC62-65
- Optional accessory: wooden box (code 7340)



4118-8D015

Ordering examples:

| Diameter | Code |
|----------|-------------|
| 0.211mm | 4118-0D211 |
| 5.562mm | 4118-5D562 |
| 16.298mm | 4118-16D298 |

Note: "D" stands for "."

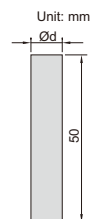
| Code | Diameter range Ød (mm) |
|-------------|------------------------|
| 4118-□□□□□* | 0.200~30.000 |

*Supplied with manufacturer inspection certificate

PIN GAGE SETS



4166-10



- Meet DIN2267, grade 1
- Made of alloy steel
- Hardness HRC62-65
- Diameter accuracy: ±1µm

| Code | Diameter Ød (mm) | Step | Pin gages per set | List Price (₹) | Promotion Price (₹) |
|---------|------------------------------|--------|-------------------|----------------|---------------------|
| 4166-0D | 0.20, 0.21, 0.22, ..., 0.50 | 0.01mm | 31 | 10689 | 8546 |
| 4166-1 | 0.50, 0.51, 0.52, ..., 1.00 | 0.01mm | 51 | 16591 | 13264 |
| 4166-1D | 1.00, 1.01, 1.02, ..., 1.50 | 0.01mm | 51 | 16591 | 13264 |
| 4166-2 | 1.50, 1.51, 1.52, ..., 2.00 | 0.01mm | 51 | 16591 | 13264 |
| 4166-2D | 2.00, 2.01, 2.02, ..., 2.50 | 0.01mm | 51 | 16591 | 13264 |
| 4166-3 | 2.50, 2.51, 2.52, ..., 3.00 | 0.01mm | 51 | 16591 | 13264 |
| 4166-3D | 3.00, 3.01, 3.02, ..., 3.50 | 0.01mm | 51 | 16591 | 13264 |
| 4166-4 | 3.50, 3.51, 3.52, ..., 4.00 | 0.01mm | 51 | 16591 | 13264 |
| 4166-4D | 4.00, 4.01, 4.02, ..., 4.50 | 0.01mm | 51 | 16591 | 13264 |
| 4166-5 | 4.50, 4.51, 4.52, ..., 5.00 | 0.01mm | 51 | 16591 | 13264 |
| 4166-5D | 5.00, 5.01, 5.02, ..., 5.50 | 0.01mm | 51 | 16591 | 13264 |
| 4166-6 | 5.50, 5.51, 5.52, ..., 6.00 | 0.01mm | 51 | 16591 | 13264 |
| 4166-6D | 6.00, 6.01, 6.02, ..., 6.50 | 0.01mm | 51 | 16591 | 13264 |
| 4166-7 | 6.50, 6.51, 6.52, ..., 7.00 | 0.01mm | 51 | 16591 | 13264 |
| 4166-7D | 7.00, 7.01, 7.02, ..., 7.50 | 0.01mm | 51 | 16591 | 13264 |
| 4166-8 | 7.50, 7.51, 7.52, ..., 8.00 | 0.01mm | 51 | 16591 | 13264 |
| 4166-8D | 8.00, 8.01, 8.02, ..., 8.50 | 0.01mm | 51 | 16591 | 13264 |
| 4166-9 | 8.50, 8.51, 8.52, ..., 9.00 | 0.01mm | 51 | 16610 | 13280 |
| 4166-9D | 9.00, 9.01, 9.02, ..., 9.50 | 0.01mm | 51 | 17560 | 14040 |
| 4166-10 | 9.50, 9.51, 9.52, ..., 10.00 | 0.01mm | 51 | 17619 | 14085 |

| Code | Diameter Ød (mm) | Step | Pin gages per set | List Price (₹) | Promotion Price (₹) |
|----------|--------------------------|-------|-------------------|----------------|---------------------|
| 4166-411 | 1.0, 1.1, 1.2, ..., 5.0 | 0.1mm | 41 | 10949 | 7877 |
| 4166-511 | 5.0, 5.1, 5.2, ..., 10.0 | 0.1mm | 51 | 14870 | 10699 |

PIN GAGE HANDLES (OPERATED WITHOUT WRENCH)



7342-M1

application



- Operated without wrench
- Made of aluminum
- Pin gages can be installed

| Code | Applicable pin gage diameter | List Price (₹) | Promotion Price (₹) |
|---------|------------------------------|----------------|---------------------|
| 7342-M0 | 0.3-1.5mm/0.011-0.060" | 2300 | 2070 |
| 7342-M1 | 1.51-6.35mm/0.061-0.250" | 2300 | 2070 |
| 7342-M2 | 6.36-12.70mm/0.251-0.500" | 2699 | 2429 |
| 7342-M3 | 12.71-15.88mm/0.501-0.625" | 3102 | 2792 |
| 7342-M4 | 15.89-19.00mm/0.626-0.750" | 3691 | 3322 |
| 7342-M5 | 19.01-21.13mm/0.751-0.832" | 4172 | 3755 |
| 7342-M6 | 21.14-23.27mm/0.833-0.916" | 4572 | 4115 |
| 7342-M7 | 23.28-25.4mm/0.917-1.000" | 4869 | 4382 |

PLAIN PLUG GAGES

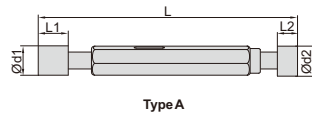
CUSTOM-MADE
OTHER CLASSES ARE AVAILABLE, SUCH AS H8, H9
OTHER DIAMETERS ARE AVAILABLE, SUCH AS 19.003mm
OTHER LENGTHS ARE AVAILABLE, SUCH AS 70mm

- Supplied with Go and No-Go gages together
- Class H7
- Hardness HRC 60±2
- Standard DIN7150-2



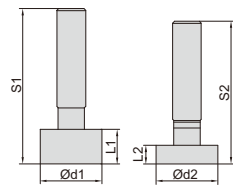
4124-12

Type A



Type A

Type B



Type B

Size tolerance of H7

(mm)

| Diameter Ød | Type | Size tolerance of Go gage (µm) | Size tolerance of No-Go gage (µm) | L1 | L2 | L | S1, S2 |
|-------------|------|--------------------------------|-----------------------------------|-----|-----|-----|----------|
| ≥2, ≤3 | A | +0.5 / +2.5 | +9 / +11 | 6.5 | 4.5 | 62 | – |
| >3, ≤6 | A | +0.75 / +3.25 | +10.75 / +13.25 | 8 | 6 | 74 | – |
| >6, ≤10 | A | +0.75 / +3.25 | +13.75 / +16.25 | 10 | 7 | 87 | – |
| >10, ≤14 | A | +1 / +4 | +16.5 / +19.5 | 12 | 8 | 99 | – |
| >14, ≤18 | A | +1 / +4 | +16.5 / +19.5 | 14 | 10 | 114 | – |
| >18, ≤24 | A | +1 / +5 | +19 / +23 | 16 | 12 | 132 | – |
| >24, ≤30 | A | +1 / +5 | +19 / +23 | 18 | 14 | 136 | – |
| >30, ≤40 | A | +1.5 / +5.5 | +23 / +27 | 20 | 15 | 155 | – |
| >40, ≤50 | A | +1.5 / +5.5 | +23 / +27 | 25 | 18 | 169 | – |
| >50, ≤65 | B | +1.5 / +6.5 | +27.5 / +32.5 | 30 | 18 | – | 164, 152 |
| >65, ≤80 | B | +1.5 / +6.5 | +27.5 / +32.5 | 35 | 25 | – | 169, 159 |
| >80, ≤100 | B | +2 / +8 | +32 / +38 | 35 | 25 | – | 169, 159 |

| Code | Diameter | Type | List Price (₹) | Promotion Price (₹) |
|---------|----------|------|----------------|---------------------|
| 4124-2 | 2mm | A | 1437 | 1313 |
| 4124-3 | 3mm | A | 1437 | 1313 |
| 4124-4 | 4mm | A | 1495 | 1365 |
| 4124-5 | 5mm | A | 1495 | 1365 |
| 4124-6 | 6mm | A | 1609 | 1470 |
| 4124-7 | 7mm | A | 1421 | 1298 |
| 4124-8 | 8mm | A | 1434 | 1309 |
| 4124-9 | 9mm | A | 1291 | 1179 |
| 4124-10 | 10mm | A | 1473 | 1345 |
| 4124-11 | 11mm | A | 1326 | 1212 |
| 4124-12 | 12mm | A | 1335 | 1219 |
| 4124-13 | 13mm | A | 1404 | 1283 |
| 4124-14 | 14mm | A | 1414 | 1291 |
| 4124-15 | 15mm | A | 1576 | 1440 |
| 4124-16 | 16mm | A | 1563 | 1428 |
| 4124-17 | 17mm | A | 1563 | 1428 |
| 4124-18 | 18mm | A | 1596 | 1458 |
| 4124-19 | 19mm | A | 1866 | 1704 |
| 4124-20 | 20mm | A | 1874 | 1712 |
| 4124-21 | 21mm | A | 1903 | 1739 |

| Code | Diameter | Type | List Price (₹) | Promotion Price (₹) |
|---------|----------|------|----------------|---------------------|
| 4124-22 | 22mm | A | 1903 | 1739 |
| 4124-23 | 23mm | A | 1903 | 1739 |
| 4124-24 | 24mm | A | 1915 | 1750 |
| 4124-25 | 25mm | A | 2236 | 2043 |
| 4124-26 | 26mm | A | 2288 | 2090 |
| 4124-27 | 27mm | A | 2305 | 2106 |
| 4124-28 | 28mm | A | 2288 | 2090 |
| 4124-29 | 29mm | A | 2288 | 2090 |
| 4124-30 | 30mm | A | 2305 | 2106 |
| 4124-31 | 31mm | A | 2611 | 2385 |
| 4124-32 | 32mm | A | 2631 | 2404 |
| 4124-33 | 33mm | A | 2611 | 2385 |
| 4124-34 | 34mm | A | 2611 | 2385 |
| 4124-35 | 35mm | A | 2648 | 2420 |
| 4124-36 | 36mm | A | 2658 | 2429 |
| 4124-37 | 37mm | A | 2658 | 2429 |
| 4124-38 | 38mm | A | 2658 | 2429 |
| 4124-39 | 39mm | A | 3508 | 3204 |
| 4124-40 | 40mm | A | 3535 | 3229 |
| 4124-41 | 41mm | A | 3508 | 3204 |

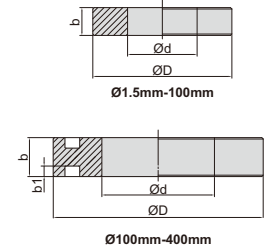
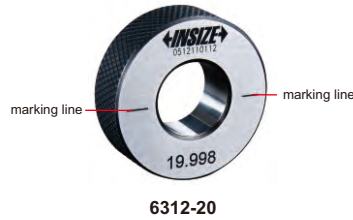
| Code | Diameter | Type | List Price (₹) | Promotion Price (₹) |
|----------|----------|------|----------------|---------------------|
| 4124-42 | 42mm | A | 3535 | 3229 |
| 4124-43 | 43mm | A | 3508 | 3204 |
| 4124-44 | 44mm | A | 3508 | 3204 |
| 4124-45 | 45mm | A | 4576 | 4180 |
| 4124-46 | 46mm | A | 4538 | 4146 |
| 4124-47 | 47mm | A | 4538 | 4146 |
| 4124-48 | 48mm | A | 4538 | 4146 |
| 4124-49 | 49mm | A | 4538 | 4146 |
| 4124-50 | 50mm | A | 4766 | 4354 |
| 4124-52 | 52mm | B | 6192 | 5657 |
| 4124-55 | 55mm | B | 6192 | 5657 |
| 4124-60 | 60mm | B | 6192 | 5657 |
| 4124-65 | 65mm | B | 8106 | 7404 |
| 4124-70 | 70mm | B | 8423 | 7695 |
| 4124-75 | 75mm | B | 9521 | 8698 |
| 4124-80 | 80mm | B | 9521 | 8698 |
| 4124-85 | 85mm | B | 10675 | 9752 |
| 4124-90 | 90mm | B | 10675 | 9752 |
| 4124-95 | 95mm | B | 11455 | 10465 |
| 4124-100 | 100mm | B | 11455 | 10465 |

SETTING RINGS



CAN SUPPLY CUSTOM SETTING RINGS FROM Ø1.500MM TO Ø200.000MM, FOR EXAMPLE, Ø17.085MM

- For zero setting of inside micrometers, three points internal micrometers and bore gages
- The size marked on the setting ring is checked at the direction of the marking line
- Deviation (difference between the ordered size and the size marked on the setting ring when supplied): For example, the ordered size is Ø10.125mm, the size marked on the setting ring when supplied may be Ø10.135mm
- Meet DIN2250-1:2008



| Diameter d ^{***} | b | ØD | Deviation | Roundness and cylindricity |
|---------------------------|------|-------|-----------|----------------------------|
| Ø1.5-2.5 | 4mm | 22mm | ±10.0µm | 0.3µm |
| Ø2.5-3 | 5mm | 22mm | ±10.0µm | 0.3µm |
| Ø3-5 | 5mm | 22mm | ±10.0µm | 0.4µm |
| Ø5-10 | 8mm | 32mm | ±10.0µm | 0.4µm |
| Ø10-15 | 10mm | 38mm | ±10.0µm | 0.5µm |
| Ø15-18 | 12mm | 45mm | ±10.0µm | 0.5µm |
| Ø18-20 | 12mm | 45mm | ±10.0µm | 0.6µm |
| Ø20-25 | 14mm | 53mm | ±10.0µm | 0.6µm |
| Ø25-30 | 16mm | 63mm | ±10.0µm | 0.6µm |
| Ø30-32 | 16mm | 63mm | ±10.0µm | 0.7µm |
| Ø32-40 | 18mm | 71mm | ±10.0µm | 0.7µm |
| Ø40-50 | 20mm | 85mm | ±10.0µm | 0.7µm |
| Ø50-60 | 20mm | 100mm | ±10.0µm | 0.8µm |
| Ø60-70 | 24mm | 112mm | ±10.0µm | 0.8µm |
| Ø70-80 | 24mm | 125mm | ±10.0µm | 0.8µm |
| Ø80-90 | 24mm | 140mm | ±10.0µm | 1.0µm |
| Ø90-100 | 24mm | 160mm | ±10.0µm | 1.0µm |

| Diameter d ^{***} | b | b1 | ØD | Deviation | Roundness and cylindricity |
|---------------------------|------|------|-------|-----------|----------------------------|
| Ø100-110 | 30mm | 8mm | 164mm | ±10.0µm | 1.0µm |
| Ø110-130 | 34mm | 10mm | 192mm | ±10.0µm | 1.0µm |
| Ø130-150 | 34mm | 10mm | 220mm | ±10.0µm | 1.2µm |
| Ø150-170 | 36mm | 10mm | 248mm | ±10.0µm | 1.5µm |
| Ø170-190 | 36mm | 10mm | 276mm | ±10.0µm | 1.5µm |
| Ø190-210 | 38mm | 10mm | 300mm | ±10.0µm | 1.5µm |
| Ø210-230 | 38mm | 10mm | 324mm | ±10.0µm | 2.5µm |
| Ø230-250 | 40mm | 12mm | 350mm | ±10.0µm | 2.5µm |
| Ø250-270 | 40mm | 12mm | 375mm | ±10.0µm | 3.0µm |
| Ø270-290 | 42mm | 12mm | 400mm | ±10.0µm | 3.0µm |
| Ø290-300 | 42mm | 12mm | 425mm | ±10.0µm | 3.0µm |
| Ø300-320 | 42mm | 12mm | 430mm | ±10.0µm | 4.0µm |
| Ø320-330 | 42mm | 12mm | 440mm | ±10.0µm | 4.0µm |
| Ø330-340 | 42mm | 12mm | 450mm | ±10.0µm | 4.0µm |
| Ø340-350 | 42mm | 12mm | 460mm | ±10.0µm | 4.0µm |
| Ø350-360 | 42mm | 12mm | 470mm | ±10.0µm | 4.0µm |
| Ø360-370 | 42mm | 12mm | 480mm | ±10.0µm | 4.0µm |
| Ø370-380 | 42mm | 12mm | 490mm | ±10.0µm | 4.0µm |
| Ø380-390 | 42mm | 12mm | 500mm | ±10.0µm | 4.0µm |
| Ø390-400 | 42mm | 12mm | 510mm | ±10.0µm | 4.0µm |

*** For example Ø3-5mm means Ø3mm<diameter d≤Ø5mm

| Code | Size (mm) | List Price (₹) | Promotion Price (₹) |
|----------|-----------|----------------|---------------------|
| 6312-5* | Ø5 | 3019 | 2758 |
| 6312-6* | Ø6 | 3072 | 2806 |
| 6312-7* | Ø7 | 3072 | 2806 |
| 6312-8* | Ø8 | 3072 | 2806 |
| 6312-9* | Ø9 | 3072 | 2806 |
| 6312-10* | Ø10 | 3072 | 2494 |
| 6312-11* | Ø11 | 3311 | 2689 |
| 6312-12* | Ø12 | 3311 | 2689 |
| 6312-13* | Ø13 | 3311 | 2689 |
| 6312-14* | Ø14 | 3324 | 2699 |
| 6312-15* | Ø15 | 3324 | 2699 |
| 6312-16* | Ø16 | 3534 | 2870 |
| 6312-17* | Ø17 | 3534 | 2870 |
| 6312-18* | Ø18 | 3534 | 2870 |
| 6312-19* | Ø19 | 3546 | 2880 |
| 6312-20* | Ø20 | 3546 | 2880 |
| 6312-21* | Ø21 | 3757 | 3051 |
| 6312-22* | Ø22 | 3694 | 2999 |
| 6312-23* | Ø23 | 3757 | 3051 |
| 6312-24* | Ø24 | 3757 | 3051 |

| Code | Size (mm) | List Price (₹) | Promotion Price (₹) |
|----------|-----------|----------------|---------------------|
| 6312-25* | Ø25 | 3781 | 3070 |
| 6312-26* | Ø26 | 3993 | 3242 |
| 6312-27* | Ø27 | 3993 | 3242 |
| 6312-28* | Ø28 | 3993 | 3242 |
| 6312-29* | Ø29 | 3993 | 3242 |
| 6312-30* | Ø30 | 3912 | 3176 |
| 6312-31* | Ø31 | 4243 | 3445 |
| 6312-32* | Ø32 | 4243 | 3445 |
| 6312-33* | Ø33 | 4243 | 3445 |
| 6312-34* | Ø34 | 4243 | 3445 |
| 6312-35* | Ø35 | 4236 | 3440 |
| 6312-36* | Ø36 | 4542 | 3687 |
| 6312-37* | Ø37 | 4551 | 3696 |
| 6312-38* | Ø38 | 4551 | 3696 |
| 6312-39* | Ø39 | 4551 | 3696 |
| 6312-40* | Ø40 | 4453 | 3615 |
| 6312-41* | Ø41 | 4798 | 4383 |
| 6312-42* | Ø42 | 4798 | 4383 |
| 6312-43* | Ø43 | 4798 | 4383 |
| 6312-44* | Ø44 | 4798 | 4383 |

| Code | Size (mm) | List Price (₹) | Promotion Price (₹) |
|-----------|-----------|----------------|---------------------|
| 6312-45* | Ø45 | 4798 | 4383 |
| 6312-46* | Ø46 | 5291 | 4833 |
| 6312-47* | Ø47 | 5291 | 4833 |
| 6312-48* | Ø48 | 5291 | 4833 |
| 6312-49* | Ø49 | 5391 | 4925 |
| 6312-50* | Ø50 | 5598 | 5114 |
| 6312-55* | Ø55 | 6341 | 5793 |
| 6312-60* | Ø60 | 6650 | 6075 |
| 6312-62* | Ø62 | 7243 | 6617 |
| 6312-65* | Ø65 | 6900 | 6303 |
| 6312-70* | Ø70 | 7446 | 6803 |
| 6312-75* | Ø75 | 8015 | 7321 |
| 6312-80* | Ø80 | 8223 | 7511 |
| 6312-85* | Ø85 | 9741 | 8899 |
| 6312-87* | Ø87 | 10512 | 9603 |
| 6312-90* | Ø90 | 10512 | 9603 |
| 6312-95* | Ø95 | 11514 | 10518 |
| 6312-100* | Ø100 | 12534 | 11450 |

*Supplied with manufacturer inspection certificate

METRIC THREAD PLUG GAGES

Individual

| Code | Size (mm) | List Price (₹) | Promotion Price (₹) | Code | Size (mm) | List Price (₹) | Promotion Price (₹) |
|-----------|-----------|----------------|---------------------|----------|-----------|----------------|---------------------|
| 4130-2* | M2x0.4 | 2459 | 1468 | 4130-18* | M18x2.5 | 2698 | 2191 |
| 4130-2D5* | M2.5x0.45 | 2418 | 1443 | 4130-20* | M20x2.5 | 2744 | 2228 |
| 4130-3* | M3x0.5 | 2418 | 1404 | 4130-22* | M22x2.5 | 2802 | 1820 |
| 4130-3D5* | M3.5x0.6 | 2590 | 1435 | 4130-24* | M24x3 | 3262 | 2118 |
| 4130-4* | M4x0.7 | 1765 | 1147 | 4130-27* | M27x3 | 3262 | 2648 |
| 4130-5* | M5x0.8 | 1765 | 1147 | 4130-30* | M30x3.5 | 3775 | 3065 |
| 4130-6* | M6x1 | 1765 | 1147 | 4130-33* | M33x3.5 | 3907 | 3173 |
| 4130-7* | M7x1 | 1765 | 1147 | 4130-36* | M36x4 | 5249 | 4262 |
| 4130-8* | M8x1.25 | 1765 | 1147 | 4130-39* | M39x4 | 5249 | 4262 |
| 4130-9* | M9x1.25 | 1765 | 1147 | 4130-42* | M42x4.5 | 7057 | 4585 |
| 4130-10* | M10x1.5 | 2099 | 1193 | 4130-45* | M45x4.5 | 7134 | 4634 |
| 4130-11* | M11x1.5 | 2109 | 1199 | 4130-48* | M48x5 | 7604 | 6174 |
| 4130-12* | M12x1.75 | 2384 | 1355 | 4130-52* | M52x5 | 8045 | 6533 |
| 4130-14* | M14x2 | 2504 | 1626 | 4130-56* | M56x5.5 | 8635 | 7012 |
| 4130-16* | M16x2 | 2517 | 1635 | 4130-60* | M60x5.5 | 9234 | 6749 |



4130-10

- Supplied with Go and No-Go gages together
- Class 6H
- Standard ISO1502

Set

| Code | Thread plug gages included | List Price (₹) | Promotion Price (₹) |
|----------|---------------------------------------------------------------------------------------------------------------------------|----------------|---------------------|
| 4130-S7* | M3x0.5 (4130-3), M4x0.7 (4130-4), M5x0.8 (4130-5), M6x1 (4130-6), M8x1.25 (4130-8), M10x1.5 (4130-10), M12x1.75 (4130-12) | 13147 | 8540 |

*Supplied with manufacturer inspection certificate

METRIC THREAD RING GAGES



4120-16



4120-16N

- Go and No-Go gages are supplied separately
- Class 6g
- Standard ISO1502

Individual

| Code (GO) | List Price (₹) | Promotion Price (₹) | Code (NOGO) | List Price (₹) | Promotion Price (₹) | Size (mm) |
|-----------|----------------|---------------------|-------------|----------------|---------------------|-----------|
| 4120-2* | 3229 | 2622 | 4120-2N* | 3229 | 2098 | M2x0.4 |
| 4120-2D2* | 3001 | 2437 | 4120-2D2N* | 2720 | 2209 | M2.2x0.45 |
| 4120-2D5* | 2821 | 1832 | 4120-2D5N* | 2821 | 1832 | M2.5x0.45 |
| 4120-3* | 2720 | 1508 | 4120-3N* | 2720 | 1508 | M3x0.5 |
| 4120-3D5* | 2720 | 1508 | 4120-3D5N* | 2647 | 1467 | M3.5x0.6 |
| 4120-4* | 2720 | 1508 | 4120-4N* | 2631 | 1389 | M4x0.7 |
| 4120-5* | 2720 | 1508 | 4120-5N* | 2631 | 1389 | M5x0.8 |
| 4120-6* | 2423 | 1377 | 4120-6N* | 2176 | 1236 | M6x1 |
| 4120-7* | 2432 | 1451 | 4120-7N* | 2196 | 1310 | M7x1 |
| 4120-8* | 2423 | 1377 | 4120-8N* | 2423 | 1377 | M8x1.25 |
| 4120-9* | 2438 | 1524 | 4120-9N* | 2438 | 1524 | M9x1.25 |
| 4120-10* | 2846 | 1652 | 4120-10N* | 2368 | 1346 | M10x1.5 |
| 4120-11* | 2872 | 1668 | 4120-11N* | 2394 | 1361 | M11x1.5 |
| 4120-12* | 2497 | 1490 | 4120-12N* | 2146 | 1372 | M12x1.75 |
| 4120-14* | 2792 | 2268 | 4120-14N* | 2315 | 1880 | M14x2 |
| 4120-16* | 2792 | 2268 | 4120-16N* | 2315 | 1880 | M16x2 |
| 4120-18* | 3179 | 2581 | 4120-18N* | 2569 | 2086 | M18x2.5 |
| 4120-20* | 3203 | 2601 | 4120-20N* | 2600 | 2111 | M20x2.5 |
| 4120-22* | 3203 | 2601 | 4120-22N* | 2643 | 2146 | M22x2.5 |
| 4120-24* | 4145 | 3366 | 4120-24N* | 2862 | 2323 | M24x3 |
| 4120-27* | 4099 | 3328 | 4120-27N* | 2862 | 2323 | M27x3 |
| 4120-30* | 5648 | 3669 | 4120-30N* | 3455 | 2805 | M30x3.5 |
| 4120-33* | 6113 | 3971 | 4120-33N* | 3929 | 3190 | M33x3.5 |

Go ring gage set

| Code | Thread plug gages included | List Price (₹) | Promotion Price (₹) |
|----------|---------------------------------------------------------------------------------------------------------------------------|----------------|---------------------|
| 4120-S7* | M3x0.5 (4120-3), M4x0.7 (4120-4), M5x0.8 (4120-5), M6x1 (4120-6), M8x1.25 (4120-8), M10x1.5 (4120-10), M12x1.75 (4120-12) | 17403 | 9892 |

NO Go ring gage set

| Code | Thread plug gages included | List Price (₹) | Promotion Price (₹) |
|-----------|----------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------|
| 4120-S7N* | M3x0.5 (4120-3N), M4x0.7 (4120-4N), M5x0.8 (4120-5N), M6x1 (4120-6N), M8x1.25 (4120-8N), M10x1.5 (4120-10N), M12x1.75 (4120-12N) | 16244 | 9233 |

*Supplied with manufacturer inspection certificate

CERAMIC MEASURING BALLS

- Zirconia material, high strength and hardness, extremely wear resistance and corrosion resistance, good insulation, antistatic and magnetic resistance
- Mirror surface without holes
- Supplied with manufacturer inspection certificate



4190-40D000

Individual

| Code | Diameter | Accuracy | Roundness | List Price (₹) | Promotion Price (₹) |
|------------|------------------|----------|-----------|----------------|---------------------|
| 4190-1D000 | 1.000mm | ±2µm | 0.5µm | 185 | 148 |
| 4190-1D200 | 1.200mm | ±2µm | 0.5µm | 185 | 148 |
| 4190-1D300 | 1.300mm | ±2µm | 0.5µm | 185 | 148 |
| 4190-1D340 | 1.340mm | ±2µm | 0.5µm | 189 | 151 |
| 4190-1D500 | 1.500mm | ±2µm | 0.5µm | 185 | 148 |
| 4190-1D588 | 1.588mm (1/16") | ±2µm | 0.5µm | 183 | 146 |
| 4190-1D750 | 1.750mm | ±2µm | 0.5µm | 183 | 146 |
| 4190-2D000 | 2.000mm | ±2µm | 0.5µm | 183 | 146 |
| 4190-2D381 | 2.381mm (3/32") | ±2µm | 0.5µm | 183 | 146 |
| 4190-2D500 | 2.500mm | ±2µm | 0.5µm | 189 | 151 |
| 4190-2D778 | 2.778mm (7/64") | ±2µm | 0.5µm | 198 | 158 |
| 4190-3D000 | 3.000mm | ±2µm | 0.5µm | 200 | 160 |
| 4190-3D175 | 3.175mm (1/8") | ±2µm | 0.5µm | 203 | 162 |
| 4190-3D500 | 3.500mm | ±2µm | 0.5µm | 219 | 175 |
| 4190-3D969 | 3.969mm (5/32") | ±2µm | 0.5µm | 226 | 181 |
| 4190-4D000 | 4.000mm | ±2µm | 0.5µm | 227 | 182 |
| 4190-4D500 | 4.500mm | ±2µm | 0.5µm | 237 | 190 |
| 4190-4D763 | 4.763mm (3/16") | ±2µm | 0.5µm | 248 | 198 |
| 4190-5D000 | 5.000mm | ±2µm | 0.5µm | 260 | 208 |
| 4190-5D556 | 5.556mm (7/32") | ±2µm | 0.5µm | 262 | 210 |
| 4190-5D953 | 5.953mm (15/64") | ±2µm | 0.5µm | 266 | 213 |
| 4190-6D000 | 6.000mm | ±2µm | 0.5µm | 273 | 218 |
| 4190-6D350 | 6.350mm (1/4") | ±2µm | 0.5µm | 286 | 229 |
| 4190-6D500 | 6.500mm | ±2µm | 0.5µm | 281 | 225 |
| 4190-6D747 | 6.747mm (17/64") | ±2µm | 0.5µm | 286 | 229 |
| 4190-7D000 | 7.000mm | ±2µm | 0.5µm | 310 | 248 |
| 4190-7D144 | 7.144mm (9/32") | ±2µm | 0.5µm | 321 | 257 |
| 4190-7D500 | 7.500mm | ±2µm | 0.5µm | 339 | 271 |
| 4190-7D938 | 7.938mm (5/16") | ±2µm | 0.5µm | 351 | 281 |
| 4190-8D000 | 8.000mm | ±2µm | 0.5µm | 361 | 289 |
| 4190-8D731 | 8.731mm (11/32") | ±2µm | 0.5µm | 383 | 306 |

Individual

| Code | Diameter | Accuracy | Roundness | List Price (₹) | Promotion Price (₹) |
|-------------|-------------------|----------|-----------|----------------|---------------------|
| 4190-9D525 | 9.525mm (3/8") | ±2µm | 0.5µm | 392 | 314 |
| 4190-10D000 | 10.000mm | ±2µm | 0.5µm | 408 | 326 |
| 4190-10D318 | 10.318mm (13/32") | ±2µm | 0.5µm | 425 | 340 |
| 4190-11D000 | 11.000mm | ±2µm | 0.5µm | 428 | 342 |
| 4190-11D113 | 11.113mm (7/16") | ±2µm | 0.5µm | 441 | 353 |
| 4190-11D509 | 11.509mm (29/64") | ±2µm | 0.5µm | 459 | 367 |
| 4190-11D906 | 11.906mm (15/32") | ±2µm | 0.5µm | 477 | 382 |
| 4190-12D000 | 12.000mm | ±2µm | 0.5µm | 492 | 394 |
| 4190-12D303 | 12.303mm (31/64") | ±2µm | 0.5µm | 518 | 414 |
| 4190-12D700 | 12.700mm (1/2") | ±2µm | 0.5µm | 530 | 424 |
| 4190-13D000 | 13.000mm | ±2µm | 0.6µm | 564 | 451 |
| 4190-13D494 | 13.494mm (17/32") | ±2µm | 0.6µm | 620 | 496 |
| 4190-14D000 | 14.000mm | ±2µm | 0.6µm | 692 | 554 |
| 4190-14D288 | 14.288mm (9/16") | ±2µm | 0.6µm | 726 | 581 |
| 4190-15D000 | 15.000mm | ±2µm | 0.6µm | 830 | 664 |
| 4190-15D081 | 15.081mm (19/32") | ±2.5µm | 0.6µm | 841 | 673 |
| 4190-15D875 | 15.875mm (5/8") | ±2.5µm | 0.6µm | 975 | 780 |
| 4190-16D000 | 16.000mm | ±2.5µm | 0.6µm | 1055 | 844 |
| 4190-16D669 | 16.669mm (21/32") | ±2.5µm | 0.6µm | 1175 | 940 |
| 4190-17D462 | 17.462mm (11/16") | ±2.5µm | 0.6µm | 1332 | 1066 |
| 4190-18D000 | 18.000mm | ±2.5µm | 0.6µm | 1452 | 1162 |
| 4190-18D256 | 18.256mm (23/32") | ±2.5µm | 0.6µm | 1504 | 1203 |
| 4190-19D050 | 19.050mm (3/4") | ±2.5µm | 0.6µm | 1696 | 1357 |
| 4190-19D844 | 19.844mm (25/32") | ±2.5µm | 0.6µm | 1901 | 1521 |
| 4190-20D000 | 20.000mm | ±2.5µm | 0.6µm | 1945 | 1556 |
| 4190-22D000 | 22.000mm | ±2.5µm | 1µm | 2542 | 2034 |
| 4190-22D225 | 22.225mm (7/8") | ±2.5µm | 1µm | 2618 | 2094 |
| 4190-23D812 | 23.812mm (15/16") | ±2.5µm | 1µm | 3192 | 2554 |
| 4190-25D000 | 25.000mm | ±2.5µm | 1µm | 3674 | 2939 |
| 4190-40D000 | 40.000mm | ±2.5µm | 1.5µm | 11909 | 9527 |

Set (25 pairs)

| Code | Ceramic balls included (one pair per size) | List Price (₹) | Promotion Price (₹) |
|----------|----------------------------------------------------------------------------------------------------|----------------|---------------------|
| 4190-S25 | 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 6, 6.5, 7, 7.5, 8, 10, 11, 12, 13, 14, 15, 16, 18, 20, 22, 25mm | 25439 | 20351 |

WATERPROOF DIGITAL PROTRACTOR (HEAVY DUTY)

IP54
WATERPROOF

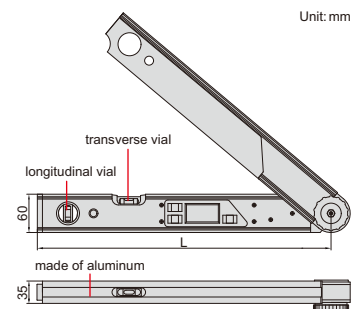
AUTOMATIC
BACKLIGHT

ABSOLUTE
LEVEL

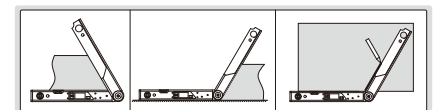
- Suitable for setting horizontal and vertical mitre angles of cutting machine
- Buttons: ON/OFF, HOLD/SUP, SPR/CNR/MTR/BVL
- IP54 dust/waterproof
- With transverse and longitudinal vials
- 2xAAA batteries
- Absolute level, zero setting is not needed when batteries are replaced
- Backlight turns off in one minute after no data changing, automatic power off in 5 minutes



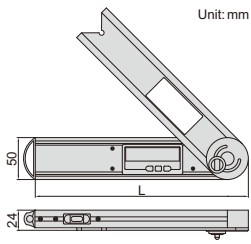
2174-225



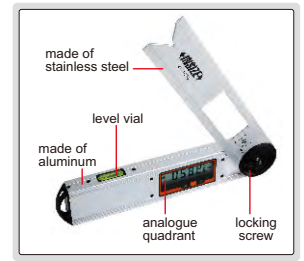
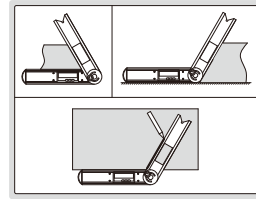
| Code | Size (L) | Range | Resolution | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|----------|--------|------------|----------|----------------|---------------------|
| 2174-225 | 460mm | 0-225° | 0.05° | ±0.10° | 7866 | 7473 |



DIGITAL PROTRACTOR



2171-250

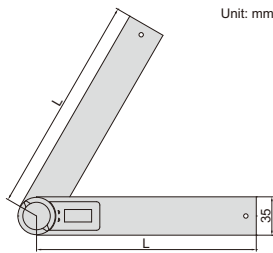


- Buttons: on/off, hold (keep the reading), zero, ABS (absolute and incremental measurement)
- Fix the locking screw at 4 positions for different measuring ranges: 0°~225°, -225°~0°, -45°~180°, -180°~45°
- Remove the locking screw for 360° range
- With level vial
- Battery CR2032
- Automatic power off

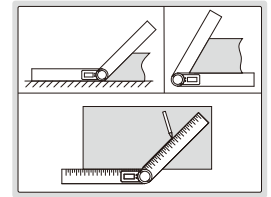
| Code | Size (L) | Range | Resolution | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|----------|--------|------------|----------|----------------|---------------------|
| 2171-250 | 250mm | 0-360° | 0.05° | ±0.15° | 3685 | 3538 |

DIGITAL PROTRACTORS

- Resolution: 0.1°
- Buttons: on/off, zero
- With clamping screw to lock the blades
- Graduation of blade: 1mm and 1/32"
- Made of stainless steel
- CR2032 battery, automatic power off



2176-200



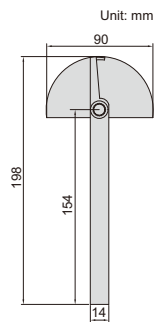
| Code | Size (L) | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|----------|--------|----------|----------------|---------------------|
| 2176-200 | 200mm | 0-360° | ±0.3° | 2302 | 1794 |
| 2176-300 | 300mm | 0-360° | ±0.3° | 2651 | 2059 |

PROTRACTOR (ECONOMIC TYPE)

- Made of stainless steel
- With clamping screw

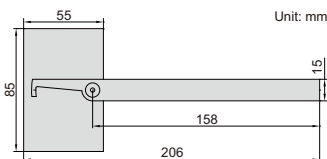


4780-85A



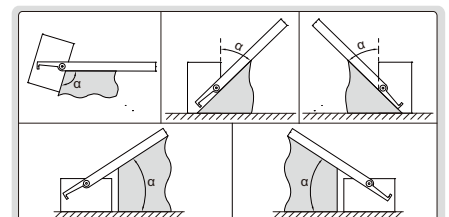
| Code | Size | Range | Graduation | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|----------|--------|------------|----------|----------------|---------------------|
| 4780-85A | 90x154mm | 0-180° | 1° | ±0.5° | 568 | 511 |

PROTRACTOR



4781-85A

- Made of stainless steel
- Satin chrome plated scale
- With clamping screw



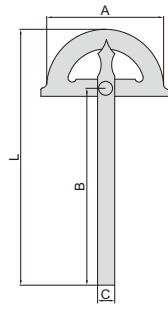
| Code | Size | Range | Graduation | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|----------|--------|------------|----------|----------------|---------------------|
| 4781-85A | 85x158mm | 0-180° | 1° | ±0.3° | 1359 | 1223 |

PROTRACTORS



4799-180

- Range: 0-180°
- Accuracy: $\pm 0.3^\circ$
- Graduation: 1°
- Made of stainless steel
(4799-1300 is made of carbon steel)
- Satin chrome plated scale
- With clamping screw



(mm)

| Code | Size (AxB) | L | C | List Price (₹) | Promotion Price (₹) |
|-----------|------------|-----|----|----------------|---------------------|
| 4799-180 | 80x120mm | 168 | 11 | 1518 | 1386 |
| 4799-1120 | 120x150mm | 220 | 14 | 1570 | 1434 |
| 4799-1150 | 150x200mm | 285 | 16 | 2110 | 1927 |
| 4799-1200 | 200x300mm | 413 | 20 | 2897 | 2646 |
| 4799-1300 | 300x500mm | 675 | 30 | 3986 | 3642 |

DIGITAL PROTRACTORS

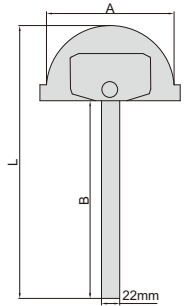
ATTENTION:
NO DATA OUTPUT



4779-120

- Range: 0-180°
- Accuracy: $\pm 0.3^\circ$
- Resolution: 0.05°
- Buttons: on/off, zero, hold/turn
- Made of stainless steel
- With clamping screw

the reading can turn over



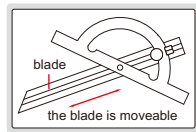
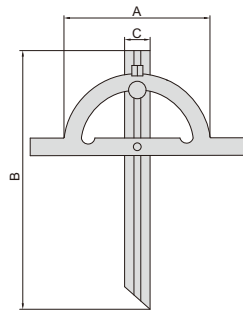
| Code | Size (AxB) | L | List Price (₹) | Promotion Price (₹) |
|----------|------------|-------|----------------|---------------------|
| 4779-120 | 120x150mm | 221mm | 5263 | 4594 |
| 4779-150 | 150x200mm | 286mm | 5795 | 5059 |
| 4779-200 | 200x300mm | 409mm | 6923 | 6043 |

PROTRACTORS



4797-100

- Range: 10-170°
- Accuracy: $\pm 0.3^\circ$
- Graduation: 1°
- Made of carbon steel
- Satin chrome plated
- With clamping screw
- The blade is moveable



| Code | Size (AxB) | C | List Price (₹) | Promotion Price (₹) |
|----------|------------|------|----------------|---------------------|
| 4797-100 | 100x150mm | 18mm | 2039 | 1835 |
| 4797-150 | 150x300mm | 22mm | 2363 | 2292 |
| 4797-200 | 200x400mm | 24mm | 2969 | 2880 |
| 4797-250 | 250x500mm | 28mm | 4391 | 3952 |
| 4797-300 | 300x600mm | 32mm | 5399 | 4859 |

DIGITAL PROTRACTORS

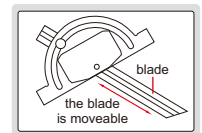
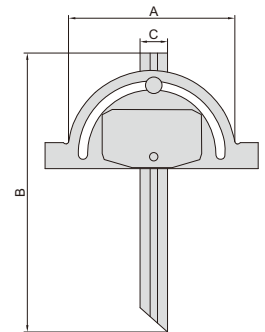
ATTENTION:
NO DATA OUTPUT



4778-100

- Range: 0-180°
- Accuracy: $\pm 0.3^\circ$
- Resolution: 0.05°
- Buttons: on/off, zero, hold/turn
- Made of stainless steel
- With clamping screw
- The blade is moveable

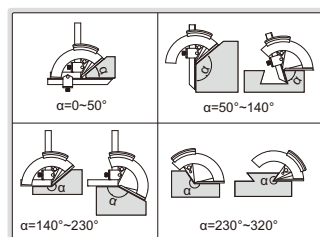
the reading can turn over



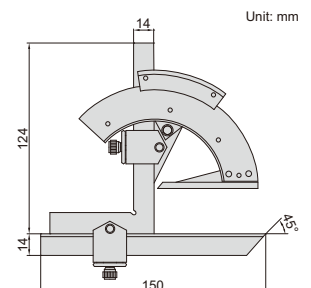
| Code | Size (AxB) | C | List Price (₹) | Promotion Price (₹) |
|----------|------------|------|----------------|---------------------|
| 4778-100 | 100x150mm | 22mm | 6295 | 5495 |
| 4778-150 | 150x300mm | 22mm | 7364 | 6428 |
| 4778-200 | 200x400mm | 24mm | 8675 | 7572 |

PROTRACTOR

- Made of stainless steel
- Satin chrome plated scale

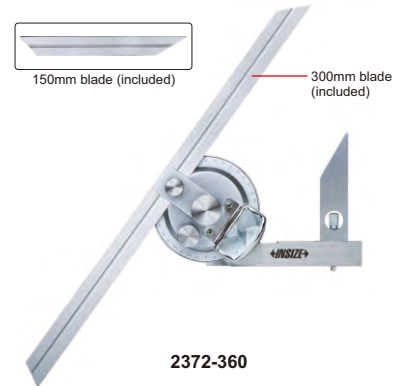
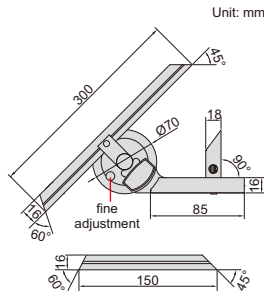
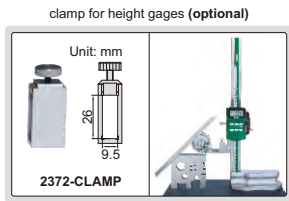


2374-320



| Code | Range | Graduation | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|--------|------------|----------|----------------|---------------------|
| 2374-320 | 0-320° | 2' | $\pm 2'$ | 5627 | 5346 |

UNIVERSAL PROTRACTOR

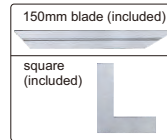
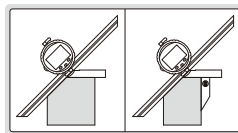


- Graduation: 5'
- Parallax-free reading
- Made of stainless steel
- Optional accessory: clamp (code 2372-CLAMP), suitable for height gages 1156, 1150-300, 1351, 1151 and 1250

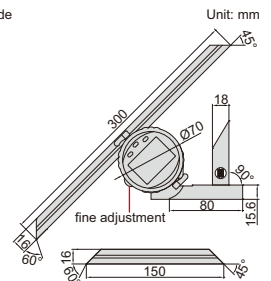
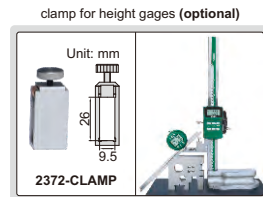
| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|--------|----------|----------------|---------------------|
| 2372-360 | 0-360° | ±5' | 5386 | 4738 |

DIGITAL PROTRACTOR

- Display in degree (for example 32.655°) and degree/minute/second (for example 32°39'30")
- SET button: preset the reading, change measuring direction
- MODE button: choose 0~90°, 0~180° or 0~360° display
- ZERO/ON/OFF button: zero and power on/off
- Battery CR2032, automatic power off
- Data output
- Supplied with square to set 90°
- Made of stainless steel
- Optional accessory: data output cable (code 7315-50, 7302-SPC3B), clamp (code 2372-CLAMP), suitable for height gages 1156, 1150-300, 1351, 1151 and 1250



DATA OUTPUT



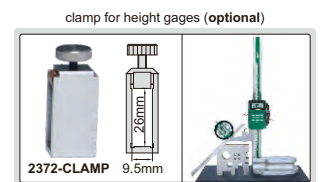
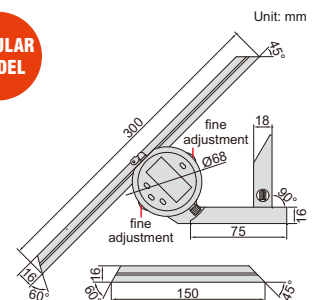
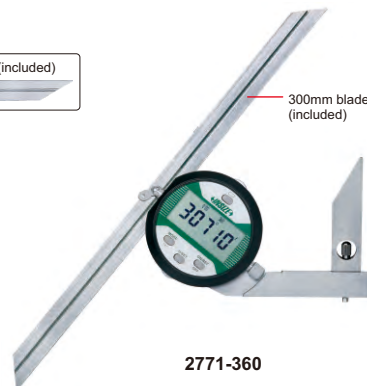
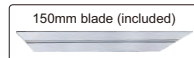
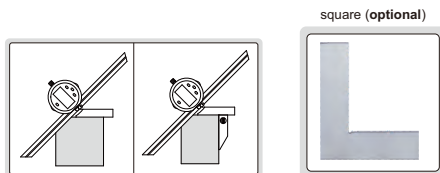
| Code | Range | Resolution | Accuracy | List Price (₹) | Promotion Price (₹) |
|-----------|--------|------------|----------|----------------|---------------------|
| 2172-360A | 0-360° | 10"/0.005° | ±5' | 23694 | 19216 |

DIGITAL PROTRACTOR (BASIC TYPE)

ABSOLUTE ZERO

DATA OUTPUT

POPULAR MODEL



- Absolute zero, zero setting is not needed when batteries are replaced
- Button function: choose 0~90°, 0~180° or 0~360° display, change resolution, display flips over, data hold, zero, on/off supplementary angle measurement
- Battery CR2032, automatic power off
- Data output
- Made of stainless steel
- Optional square for zero setting
- Optional accessory: clamp (code 2372-CLAMP), suitable for height gages 1156, 1150-300, 1351, 1250 and 1151, data output cable (code 7315-2771, 7302-50M)

| Code | Range | Resolution | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|--------|------------|----------|----------------|---------------------|
| 2771-360 | 0-360° | 1"/0.01° | ±5' | 15471 | 12686 |

Square (for zero setting, optional)

| Code | List Price (₹) | Promotion Price (₹) |
|----------|----------------|---------------------|
| 2771-S90 | 1039 | 935 |

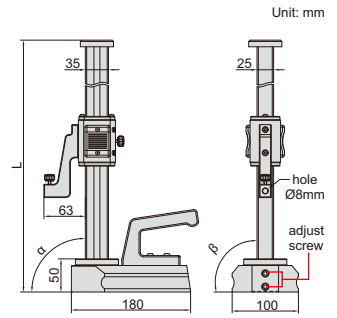
PERPENDICULARITY TESTERS



- Optional accessory: dial test indicators (graduation: 1μm or 2μm)



(mm)



Unit: mm

4770-300

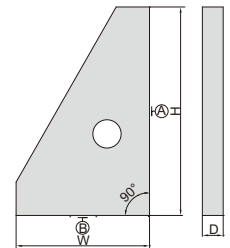
| Code | Range (H) | Perpendicularity (α) | Side perpendicularity (β) | L | List Price (₹) | Promotion Price (₹) |
|----------|-----------|----------------------|---------------------------|-----|----------------|---------------------|
| 4770-300 | 0-300mm | 3μm | 10μm | 460 | 210932 | 192687 |
| 4770-600 | 0-600mm | 5μm | 20μm | 760 | 432194 | 394810 |

GRANITE SQUARES

CUSTOM-MADE
SUPPLY SPECIAL SIZES ACCORDING
TO CUSTOMER'S REQUEST



4141-250

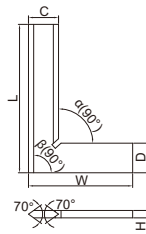


| Code | Size (HxW) | Flatness of A | Flatness of B | Squareness of A to B | D | List Price (₹) | Promotion Price (₹) |
|----------|------------|---------------|---------------|----------------------|------|----------------|---------------------|
| 4141-250 | 250x160mm | 1μm | 1μm | 2μm | 25mm | 25860 | 23274 |
| 4141-400 | 400x250mm | 1.5μm | 1μm | 3μm | 40mm | 35294 | 31765 |

90° BEVELED EDGE SQUARES



4790-0100



DIN875 grade 00

(mm)

| Code | Size (LxW) | Squareness | | C | D | H | List Price (₹) | Promotion Price (₹) |
|-----------|------------|------------|-------------|----|----|---|----------------|---------------------|
| | | Inside (α) | Outside (β) | | | | | |
| 4790-0100 | 100x70mm | 2.8μm | 3.0μm | 20 | 20 | 5 | 2846 | 2487 |
| 4790-0150 | 150x100mm | 3.2μm | 3.5μm | 30 | 30 | 6 | 4979 | 4344 |

DIN875 grade 0

(mm)

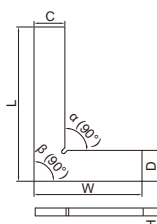
| Code | Size (LxW) | Squareness | | C | D | H | List Price (₹) | Promotion Price (₹) |
|-----------|------------|------------|-------------|----|----|---|----------------|---------------------|
| | | Inside (α) | Outside (β) | | | | | |
| 4790-500 | 50x40mm | 6μm | 6μm | 13 | 13 | 4 | 1999 | 1939 |
| 4790-750 | 75x50mm | 6μm | 7μm | 15 | 15 | 4 | 2162 | 2097 |
| 4790-1000 | 100x70mm | 7μm | 7μm | 20 | 20 | 5 | 2465 | 2391 |
| 4790-1500 | 150x100mm | 7μm | 8μm | 30 | 30 | 6 | 4489 | 4354 |
| 4790-2000 | 200x130mm | 8μm | 9μm | 34 | 34 | 7 | 5700 | 5529 |

- Satin chrome plating
- Beveled edges for inside and outside measurement
- Made of hardened stainless steel

90° FLAT EDGE SQUARES



4791-1001



- DIN875 grade 1
- Made of hardened stainless steel

(mm)

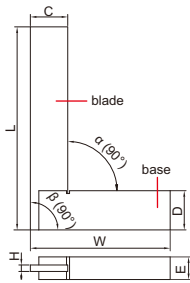
| Code | Size (LxW) | Squareness | | C | D | H | List Price (₹) | Promotion Price (₹) |
|-----------|------------|------------|-------------|----|----|---|----------------|---------------------|
| | | Inside (α) | Outside (β) | | | | | |
| 4791-501 | 50x40mm | 12μm | 13μm | 15 | 15 | 4 | 711 | 637 |
| 4791-751 | 75x50mm | 13μm | 14μm | 15 | 15 | 4 | 880 | 789 |
| 4791-1001 | 100x70mm | 14μm | 15μm | 20 | 20 | 5 | 959 | 877 |
| 4791-1501 | 150x100mm | 16μm | 18μm | 30 | 30 | 6 | 1215 | 1111 |
| 4791-2001 | 200x130mm | 19μm | 20μm | 30 | 30 | 6 | 1962 | 1795 |

MACHINIST SQUARES WITH WIDE BASE (ECONOMIC TYPE)

ATTENTION: NO ANTI-RUST TREATMENT, NOT HARDEN



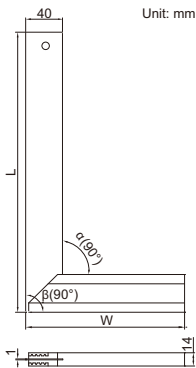
4707-100



- DIN875 grade 2
- Made of carbon steel, no anti-rust treatment, not hardend

| Code | Size (LxW) | Squareness | | C | D | H | E | List Price (₹) | Promotion Price (₹) |
|----------|------------|------------|-------------|----|----|---|----|----------------|---------------------|
| | | Inside (α) | Outside (β) | | | | | | |
| 4707-50 | 50x40mm | 24µm | 25µm | 16 | 12 | 3 | 9 | 803 | 677 |
| 4707-100 | 100x70mm | 28µm | 30µm | 19 | 19 | 3 | 12 | 937 | 853 |
| 4707-150 | 150x100mm | 33µm | 35µm | 25 | 25 | 3 | 16 | 1283 | 1169 |
| 4707-250 | 250x165mm | 42µm | 45µm | 30 | 32 | 4 | 19 | 1743 | 1588 |
| 4707-300 | 300x200mm | 47µm | 50µm | 32 | 32 | 4 | 19 | 3204 | 2928 |
| 4707-400 | 400x250mm | 56µm | 60µm | 38 | 38 | 5 | 22 | 4701 | 4313 |

TRY SQUARE

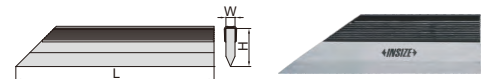


2275-300

- Graduation: 1mm
- Stainless steel blade, aluminum base

| Code | Size (LxW) | Squareness | | List Price (₹) | Promotion Price (₹) |
|----------|------------|------------|-------------|----------------|---------------------|
| | | Inside (α) | Outside (β) | | |
| 2275-300 | 300x170mm | 0.5mm | 0.5mm | 562 | 506 |

STRAIGHT EDGES



4700-100

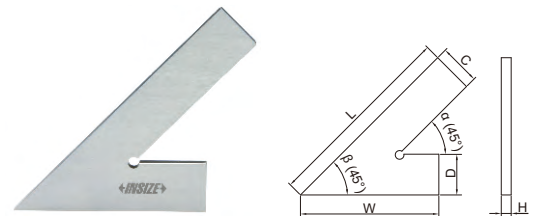
- DIN874
- Beveled edge
- Made of hardened stainless steel
- Satin chrome plating

| Code | Size (L) | Straightness | W | H | List Price (₹) | Promotion Price (₹) |
|----------|----------|--------------|----|----|----------------|---------------------|
| | | | | | | |
| 4700-75 | 75mm | 2.3µm | 5 | 25 | 1427 | 1304 |
| 4700-100 | 100mm | 2.4µm | 5 | 25 | 1630 | 1489 |
| 4700-125 | 125mm | 2.5µm | 6 | 30 | 1773 | 1620 |
| 4700-150 | 150mm | 2.6µm | 6 | 30 | 2501 | 2285 |
| 4700-200 | 200mm | 2.8µm | 6 | 30 | 2938 | 2684 |
| 4700-250 | 250mm | 3.0µm | 8 | 40 | 4343 | 3968 |
| 4700-300 | 300mm | 3.2µm | 8 | 40 | 5585 | 5101 |
| 4700-400 | 400mm | 3.6µm | 10 | 50 | 8999 | 8220 |
| 4700-500 | 500mm | 4.0µm | 10 | 50 | 12937 | 11818 |

45° SQUARES

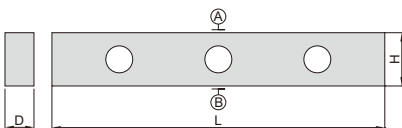
- Made of hardened stainless steel

| Code | Size (LxW) | Squareness | | C | D | H | List Price (₹) | Promotion Price (₹) |
|-----------|------------|------------|-------------|----|----|---|----------------|---------------------|
| | | Inside (α) | Outside (β) | | | | | |
| 4745-1120 | 120x80mm | 29µm | 32µm | 20 | 20 | 5 | 1543 | 1497 |
| 4745-1150 | 150x100mm | 32µm | 35µm | 20 | 20 | 5 | 2107 | 2044 |
| 4745-1200 | 200x130mm | 36µm | 40µm | 25 | 25 | 5 | 2838 | 2753 |



4745-1120

GRANITE STRAIGHT EDGES

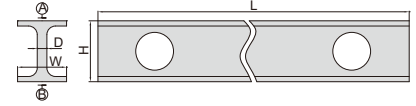


4147-500A

| Code | Length (L) | Flatness of A and B | Parallelism between A and B | D | H | List Price (₹) | Promotion Price (₹) |
|------------|------------|---------------------|-----------------------------|------|-------|----------------|---------------------|
| 4147-500A | 500mm | 2.1µm | 3.2µm | 50mm | 80mm | 24935 | 22442 |
| 4147-1000A | 1000mm | 3.0µm | 4.5µm | 60mm | 120mm | 54396 | 48956 |

MAGNALIUM STRAIGHT EDGES

LIGHT WEIGHT



4180-1500

- Made of magnalium, light weight, non-deform, no rusty

(mm)

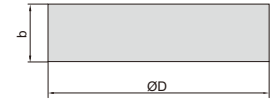
| Code | Length (L) | Flatness of A and B | Parallelism between A and B | H | W | D | Weight | List Price (₹) | Promotion Price (₹) |
|-----------|------------|---------------------|-----------------------------|-----|----|---|--------|----------------|---------------------|
| 4180-500 | 500mm | 3µm | 4µm | 60 | 30 | 5 | 1kg | 15838 | 13916 |
| 4180-1000 | 1000mm | 5µm | 8µm | 60 | 30 | 5 | 1.5kg | 33220 | 29188 |
| 4180-1500 | 1500mm | 15µm | 22µm | 100 | 40 | 7 | 4.5kg | 45437 | 39918 |
| 4180-2000 | 2000mm | 18µm | 27µm | 100 | 40 | 7 | 6kg | 60921 | 53498 |
| 4180-2500 | 2500mm | 22µm | 33µm | 100 | 40 | 7 | 7.5kg | 97827 | 88044 |
| 4180-3000 | 3000mm | 48µm | 72µm | 150 | 80 | 8 | 21kg | 114363 | 102927 |

OPTICAL FLATS

| Code | b | ØD | Flatness | List Price (₹) | Promotion Price (₹) |
|----------|------|------|----------|----------------|---------------------|
| 4191-45A | 12mm | 45mm | 0.03µm | 15640 | 14076 |
| 4191-60A | 15mm | 60mm | 0.03µm | 22483 | 20235 |



4191-45B

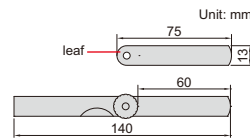


- Check flatness
- Single working face, the arrow indicates the working face

| Code | b | ØD | Flatness | List Price (₹) | Promotion Price (₹) |
|----------|------|------|----------|----------------|---------------------|
| 4191-45B | 12mm | 45mm | 0.1µm | 14808 | 14068 |
| 4191-60B | 15mm | 60mm | 0.1µm | 21225 | 19103 |

FEELER GAGE

- Range: 0.04-1.00mm
- Made of hardened alloy steel
- Meet DIN2275/grade TC1
- Accuracy: $\pm(3+T/80)$ µm, 'T' is the thickness of leaves in µm



4601-25

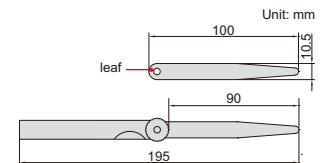
| Code | Thickness of leaves included (mm) | Quantity of leaves | List Price (₹) | Promotion Price (₹) |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|---------------------|
| 4601-25 | 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00 | 25 | 386 | 347 |

FEELER GAGES

- Made of hardened alloy steel
- Meet DIN2275/grade TC1
- Accuracy: $\pm(3+T/80)$ µm, 'T' is the thickness of leaves in µm



4602-20



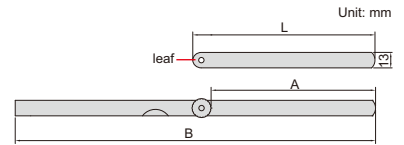
| Code | Range | Thickness of leaves included (mm) | Quantity of leaves | List Price (₹) | Promotion Price (₹) |
|----------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|---------------------|
| 4602-13A | 0.03-0.50mm | 0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.30, 0.40, 0.50 | 13 | 339 | 305 |
| 4602-13 | 0.05-1.00mm | 0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 1.00 | 13 | 287 | 258 |
| 4602-17 | 0.02-1.00mm | 0.02, 0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.75, 1.00 | 17 | 362 | 311 |
| 4602-20 | 0.05-1.00mm | 0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00 | 20 | 389 | 377 |
| 4602-28 | 0.05-1.00mm | 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.11, 0.12, 0.13, 0.14, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00 | 28 | 543 | 489 |
| 4602-32 | 0.03-1.00mm | 0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.13, 0.15, 0.18, 0.20, 0.23, 0.25, 0.28, 0.30, 0.33, 0.35, 0.38, 0.40, 0.45, 0.50, 0.55, 0.60, 0.63, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 1.00 | 32 | 554 | 421 |

LONG FEELER GAGES

- Range: 0.05-1.00mm
- Made of hardened alloy steel
- Meet DIN2275/grade TC1
- Accuracy: $\pm(3+T/80)$ μm , 'T' is the thickness of leaves in μm



4605-20

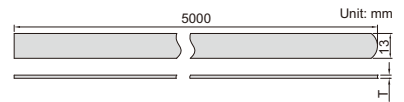


| Code | Thickness of leaves included (mm) | Quantity of leaves | L | A | B | List Price (₹) | Promotion Price (₹) |
|----------|-------------------------------------------|--------------------|-------|-------|-------|----------------|---------------------|
| 4605-13 | 0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, | 13 | 150mm | 135mm | 295mm | 528 | 475 |
| 4605-131 | 0.50, 0.60, 0.70, 0.80, 0.90, 1.00 | 13 | 200mm | 185mm | 395mm | 553 | 498 |
| 4605-132 | | 13 | 300mm | 285mm | 590mm | 895 | 806 |
| 4605-20 | 0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, | 20 | 150mm | 135mm | 295mm | 693 | 554 |
| 4605-201 | 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, | 20 | 200mm | 185mm | 395mm | 737 | 663 |
| 4605-202 | 0.75, 0.80, 0.85, 0.90, 0.95, 1.00 | 20 | 300mm | 285mm | 590mm | 1254 | 1003 |

FEELER GAGE ROLLS

- Used as shims to accurately set spacing
- Made of hardened alloy steel
- Length 5m
- Width 13mm

4621-30



| Code | Thickness (T) | Accuracy | List Price (₹) | Promotion Price (₹) |
|---------|---------------|--------------------|----------------|---------------------|
| 4621-02 | 0.02mm | $\pm 4\mu\text{m}$ | 891 | 864 |
| 4621-03 | 0.03mm | $\pm 4\mu\text{m}$ | 702 | 681 |
| 4621-04 | 0.04mm | $\pm 4\mu\text{m}$ | 702 | 681 |
| 4621-05 | 0.05mm | $\pm 4\mu\text{m}$ | 515 | 500 |
| 4621-06 | 0.06mm | $\pm 4\mu\text{m}$ | 515 | 500 |
| 4621-07 | 0.07mm | $\pm 5\mu\text{m}$ | 515 | 500 |
| 4621-08 | 0.08mm | $\pm 5\mu\text{m}$ | 515 | 500 |
| 4621-09 | 0.09mm | $\pm 5\mu\text{m}$ | 515 | 500 |
| 4621-10 | 0.10mm | $\pm 5\mu\text{m}$ | 515 | 500 |
| 4621-12 | 0.12mm | $\pm 5\mu\text{m}$ | 608 | 590 |
| 4621-15 | 0.15mm | $\pm 6\mu\text{m}$ | 515 | 500 |
| 4621-18 | 0.18mm | $\pm 7\mu\text{m}$ | 608 | 590 |
| 4621-20 | 0.20mm | $\pm 8\mu\text{m}$ | 515 | 500 |
| 4621-25 | 0.25mm | $\pm 9\mu\text{m}$ | 560 | 543 |

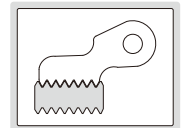
| Code | Thickness (T) | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|---------------|---------------------|----------------|---------------------|
| 4621-30 | 0.30mm | $\pm 9\mu\text{m}$ | 974 | 841 |
| 4621-35 | 0.35mm | $\pm 11\mu\text{m}$ | 931 | 903 |
| 4621-40 | 0.40mm | $\pm 12\mu\text{m}$ | 981 | 952 |
| 4621-45 | 0.45mm | $\pm 12\mu\text{m}$ | 981 | 952 |
| 4621-50 | 0.50mm | $\pm 14\mu\text{m}$ | 981 | 952 |
| 4621-55 | 0.55mm | $\pm 14\mu\text{m}$ | 1082 | 1050 |
| 4621-60 | 0.60mm | $\pm 14\mu\text{m}$ | 1082 | 1050 |
| 4621-65 | 0.65mm | $\pm 14\mu\text{m}$ | 1082 | 1050 |
| 4621-70 | 0.70mm | $\pm 17\mu\text{m}$ | 1082 | 1050 |
| 4621-75 | 0.75mm | $\pm 17\mu\text{m}$ | 1132 | 1098 |
| 4621-80 | 0.80mm | $\pm 19\mu\text{m}$ | 1132 | 1098 |
| 4621-85 | 0.85mm | $\pm 19\mu\text{m}$ | 1132 | 1098 |
| 4621-90 | 0.90mm | $\pm 22\mu\text{m}$ | 1132 | 1098 |
| 4621-95 | 0.95mm | $\pm 22\mu\text{m}$ | 1132 | 1098 |
| 4621-100 | 1.00mm | $\pm 24\mu\text{m}$ | 1102 | 1069 |

PITCH GAGES

- Identify the pitch of screw thread
- Made of medium carbon steel



4820-452



Metric 60° and Whitworth 55° screw

| Code | Range | Pitch of leaves included | Quantity of leaves | List Price (₹) | Promotion Price (₹) |
|----------|----------|--------------------------------------------------------------------------------------------------------------------|--------------------|----------------|---------------------|
| 4820-452 | 0.25-6mm | 0.25, 0.3, 0.35, 0.4, 0.45, 0.5, 0.6, 0.7, 0.75, 0.8, 0.9, 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6mm | 52 | 927 | 630 |
| | 4-62TPI | 4, 4-1/2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 19, 20, 22, 24, 25, 26, 28, 30, 32, 36, 40, 48, 60, 62TPI | | | |

Metric 60° and Unified 60° screw

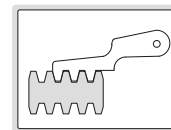
| Code | Range | Pitch of leaves included | Quantity of leaves | List Price (₹) | Promotion Price (₹) |
|----------|---------|-------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|---------------------|
| 4820-552 | 0.4-7mm | 0.4, 0.5, 0.6, 0.7, 0.75, 0.8, 0.9, 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7mm | 52 | 800 | 566 |
| | 4-42TPI | 4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 11-1/2, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 27, 28, 30, 32, 34, 36, 38, 40, 42TPI | | | |

PITCH GAGE

- Accuracy: $\pm 0.07\text{mm}$
- Check the pitch of screw thread
- Made of medium carbon steel



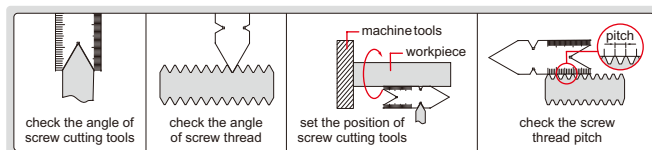
4824-12



| Code | Range | Thread type | Pitch of leaves included | Quantity of leaves | List Price (₹) | Promotion Price (₹) |
|---------|--------|-------------|------------------------------------------|--------------------|----------------|---------------------|
| 4824-12 | 2-20mm | Tr30° | 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 16, 20mm | 12 | 2102 | 1892 |

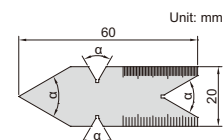
CENTER GAGES

- To check and set screw cutting tools, and check the angle and pitch of screw thread
- Angle accuracy: $\pm 30\text{min}$
- Made of stainless steel



4810-602

| Code | Thread type | Angle (α) | Graduation | List Price (₹) | Promotion Price (₹) |
|----------|-------------|--------------------|-------------------------------------------------------------|----------------|---------------------|
| 4810-601 | METRIC 60° | 60° | 0.5mm and 1mm | 272 | 245 |
| 4810-602 | UNIFIED 60° | 60° | 14ths and 20ths on front side, 24ths and 32ths on back side | 314 | 286 |

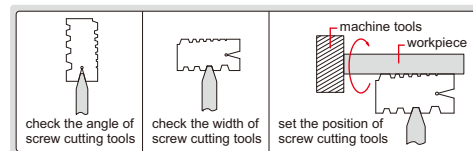
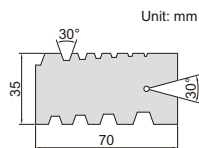


THREAD GAGE

- Pitch: 2, 3, 4, 5, 6, 7, 8, 9, 10, 12mm
- To check and set screw cutting tools
- Made of medium carbon steel

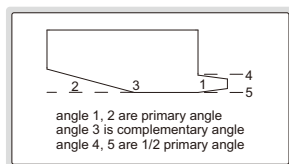


4812-12

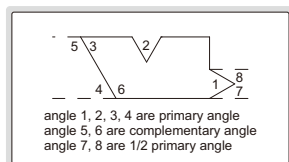


| Code | Range | Thread type | List Price (₹) | Promotion Price (₹) |
|---------|--------|-------------|----------------|---------------------|
| 4812-12 | 2-12mm | Tr 30° | 1185 | 1067 |

ANGLE GAGE SET



type A



type B



4807

- Each blade checks primary, 1/2 primary and complementary angles
- Made of medium carbon steel

| Code | Quantity of leaves | Accuracy | List Price (₹) | Promotion Price (₹) |
|------|--------------------|-----------|----------------|---------------------|
| 4807 | 18 | $\pm 10'$ | 2364 | 2293 |

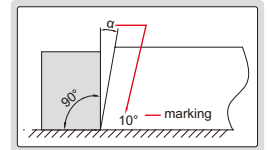
| Primary angle | 1/2 primary angle | Complementary angle | Type |
|---------------|-------------------|---------------------|------|
| 5° | 2°30' | 175° | A |
| 10° | 5° | 170° | A |
| 15° | 7°30' | 165° | A |
| 20° | 10° | 160° | B |
| 25° | 12°30' | 155° | B |
| 30° | 15° | 150° | B |
| 35° | 17°30' | 145° | B |
| 40° | 20° | 140° | B |
| 45° | 22°30' | 135° | B |
| 50° | 25° | 130° | B |
| 55° | 27°30' | 125° | B |
| 60° | 30° | 120° | B |
| 65° | 32°30' | 115° | B |
| 70° | 35° | 110° | B |
| 75° | 37°30' | 105° | B |
| 80° | 40° | 100° | B |
| 85° | 42°30' | 95° | B |
| 90° | 45° | 90° | B |

ANGLE GAGE

- Accuracy: $\pm 30'$
- To check complementary angles
- Made of stainless steel



4806-20



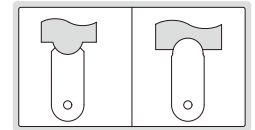
| Code | Range (α) | Angle of leaves included | Quantity of leaves | List Price (₹) | Promotion Price (₹) |
|---------|--------------------|-------------------------------------------------------------------------------------------|--------------------|----------------|---------------------|
| 4806-20 | 1°-45° | 1°, 2°, 3°, 4°, 5°, 6°, 7°, 8°, 9°, 10°, 12°, 14°, 16°, 18°, 20°, 25°, 30°, 35°, 40°, 45° | 20 | 2353 | 2118 |

RADIUS GAGES

- Made of medium carbon steel



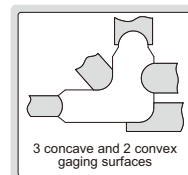
4801-17



| Code | Range | Radius of leaves included (mm) | Quantity of leaves (internal+external) | List Price (₹) | Promotion Price (₹) |
|---------|-----------|---------------------------------------------------------------------------|----------------------------------------|----------------|---------------------|
| 4801-17 | 1-7mm | 1, 1.25, 1.5, 1.75, 2, 2.25, 2.5, 2.75, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7 | 17+17 | 883 | 673 |
| 4801-16 | 7.5-15mm | 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13, 13.5, 14, 14.5, 15 | 16+16 | 920 | 698 |
| 4801-15 | 15.5-25mm | 15.5, 16, 16.5, 17, 17.5, 18, 18.5, 19, 19.5, 20, 21, 22, 23, 24, 25 | 15+15 | 907 | 722 |

RADIUS GAGE SET

- Each piece has 3 concave and 2 convex gaging surfaces
- Supplied with handle
- Made of medium carbon steel



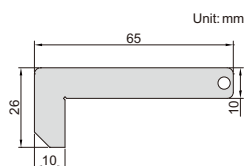
4804-26



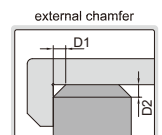
| Code | Range | Radius of leaves included (mm) | Quantity of leaves | List Price (₹) | Promotion Price (₹) |
|---------|----------|---------------------------------------------------------------------------------------------------------------|--------------------|----------------|---------------------|
| 4804-26 | 0.5-13mm | 0.5, 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13 | 26 | 3160 | 2844 |

CHAMFER GAGE

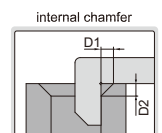
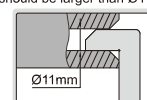
- Accuracy: $\pm 0.25\text{mm}$
- To measure internal and external chamfers
- Made of stainless steel



4844-1



for internal chamfer measurement, diameter should be larger than $\text{Ø}11\text{mm}$

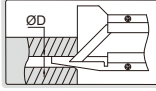


| Code | Graduation | List Price (₹) | Promotion Price (₹) |
|--------|------------|----------------|---------------------|
| 4844-1 | 0.5mm | 435 | 383 |

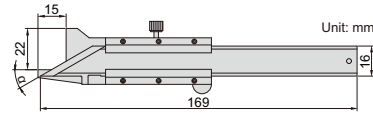
CHAMFER GAGES

- Measure 30°/45°/60° chamfer dimension
- Accuracy: $\pm 0.06\text{mm}$
- Graduation: 0.02mm
- Made of stainless steel
- Satin chrome plated reading surface

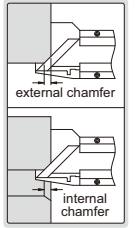
for internal chamfer measurement, diameter should be larger than $\varnothing D$



1267-6



measure chamfer dimension



| Code | Range | Chamfer (α) | $\varnothing D$ | List Price (₹) | Promotion Price (₹) |
|---------|--------|----------------------|-----------------|----------------|---------------------|
| 1267-6 | 0-10mm | 45° | 7mm | 6141 | 5611 |
| 1267-63 | 0-10mm | 30° | 8mm | 7442 | 6798 |
| 1267-66 | 0-10mm | 60° | 7mm | 7442 | 6798 |

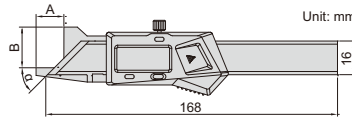
DIGITAL CHAMFER GAGES

DATA OUTPUT

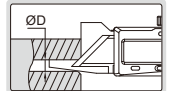
- Measure 30°/45°/60° chamfer dimension
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



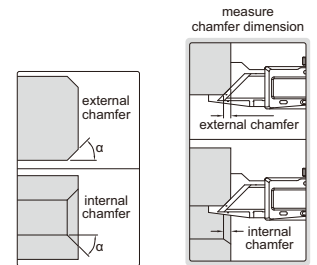
1180-6



for internal chamfer measurement, diameter should be larger than $\varnothing D$



| Code | Range | Accuracy | Chamfer (α) | A | B | $\varnothing D$ | List Price (₹) | Promotion Price (₹) |
|---------|----------------|---------------------|----------------------|------|------|-----------------|----------------|---------------------|
| 1180-6 | 0-10mm/0-0.39" | $\pm 0.06\text{mm}$ | 45° | 15mm | 22mm | 7mm | 7794 | 6889 |
| 1180-63 | 0-10mm/0-0.39" | $\pm 0.06\text{mm}$ | 30° | 15mm | 22mm | 8mm | 9622 | 8789 |
| 1180-66 | 0-10mm/0-0.39" | $\pm 0.06\text{mm}$ | 60° | 14mm | 21mm | 7mm | 9744 | 8789 |



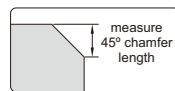
DIGITAL CHAMFER GAGES



DATA OUTPUT

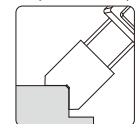
ATTENTION: THE ACTUAL LENGTH IS 1.414 TIMES OF THE READING

ATTENTION: CHAMFER OF HOLES CANNOT BE MEASURED



- Measure 45° chamfer length
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Supplied with pin gage for zero setting

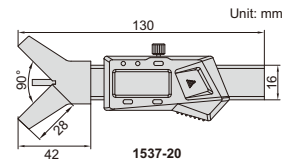
1537-8 can measure small workpieces or workpieces with steps



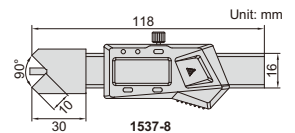
pin gage (included)



1537-20



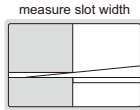
1537-8



| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|---------|-----------------|---------------------|----------------|---------------------|
| 1537-20 | 0-20mm/0-0.787" | $\pm 0.05\text{mm}$ | 9324 | 8518 |
| 1537-8 | 0-8mm/0-0.315" | $\pm 0.05\text{mm}$ | 9324 | 8518 |

DIGITAL TAPER SLOT GAGES

- Measuring opening, slot width
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



DATA
OUTPUT

ATTENTION: ACTUAL SLOT
WIDTH IS 1/10 OF THE READING



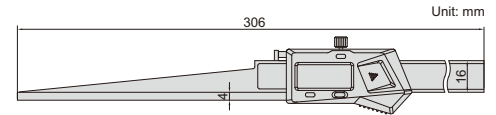
1160-10

With data interface (data output cable code 7315-21, 7302-21, optional)

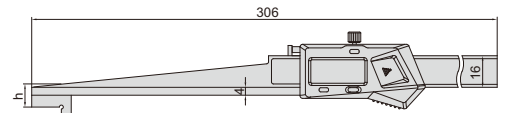
| Code | Range | Accuracy | h | List Price (₹) | Promotion Price (₹) |
|---------|---------------------|----------|------|----------------|---------------------|
| 1160-10 | 0.2-10mm/0.01-0.39" | ±0.03mm | — | 21397 | 19607 |
| 1160-20 | 10-20mm/0.39-0.79" | ±0.05mm | 10mm | 28430 | 25587 |
| 1160-30 | 20-30mm/0.79-1.18" | ±0.05mm | 20mm | 26030 | 23427 |
| 1160-40 | 30-40mm/1.18-1.58" | ±0.05mm | 30mm | 26030 | 23427 |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy | h | List Price (₹) | Promotion Price (₹) |
|-----------|---------------------|----------|------|----------------|---------------------|
| 1160-10WL | 0.2-10mm/0.01-0.39" | ±0.03mm | — | 25149 | 23892 |
| 1160-20WL | 10-20mm/0.39-0.79" | ±0.05mm | 10mm | 27448 | 26075 |
| 1160-30WL | 20-30mm/0.79-1.18" | ±0.05mm | 20mm | 28579 | 27150 |
| 1160-40WL | 30-40mm/1.18-1.58" | ±0.05mm | 30mm | 28579 | 27150 |



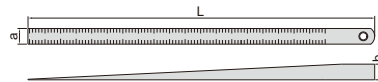
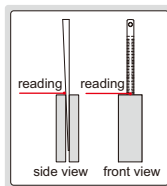
1160-10 and 1106-10WL



1160-20, 1160-20WL, 1160-30, 1160-30WL, 1160-40 and 1106-40WL

TAPER SLOT GAGES

- For quick measurement of slot width
- Satin chrome plated reading surface
- Made of stainless steel



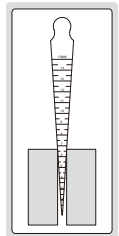
| Code | Range | Graduation | Accuracy | L | a | b | List Price (₹) | Promotion Price (₹) |
|--------|----------|------------|----------|-----|------|------|----------------|---------------------|
| 4630-3 | 0.4-6mm | 0.05mm | ±0.04mm | 164 | 12.5 | 6.5 | 2899 | 2648 |
| 4630-1 | 0.5-10mm | 0.05mm | ±0.07mm | 220 | 10 | 10.5 | 2196 | 2006 |
| 4630-2 | 0.5-15mm | 0.1mm | ±0.08mm | 184 | 12.5 | 16.5 | 3386 | 3082 |



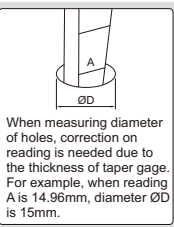
4630-1

TAPER GAGES

measure slot width



measure diameter of hole



When measuring diameter of holes, correction on reading is needed due to the thickness of taper gage. For example, when reading A is 14.96mm, diameter ØD is 15mm.



front back

4833-2

- Accuracy: ±0.05mm
- Graduation: 0.1mm
- Measure opening, slot width, hole diameter, etc.
- Diameter correction table on the back (only for 4833-1, 4833-2)
- Made of stainless steel

| Code | Range | L | W | List Price (₹) | Promotion Price (₹) |
|--------|----------|-----|------|----------------|---------------------|
| 4833-1 | 0.8-15mm | 146 | 17 | 556 | 407 |
| 4833-2 | 15-30mm | 159 | 30.4 | 586 | 512 |
| 4833-3 | 30-45mm | 166 | 45.4 | 743 | 648 |
| 4833-4 | 45-60mm | 170 | 60.5 | 1015 | 886 |

(mm)

TAPER GAGE SET

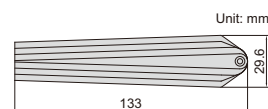
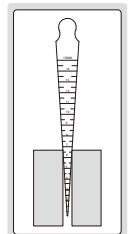


front

4837-1

back

measure slot width



Unit: mm

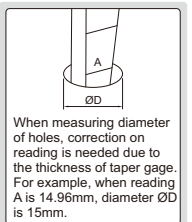
133

29.6

- Accuracy: ±0.05mm
- Include 4 pcs (1-8mm, 8-15mm, 15-22mm, 22-29mm)
- Measure opening, slot width, hole diameter, etc.
- Diameter correction table on the back
- Made of stainless steel

| Code | Range | Graduation | List Price (₹) | Promotion Price (₹) |
|--------|--------|------------|----------------|---------------------|
| 4837-1 | 1-29mm | 0.05mm | 2131 | 1559 |

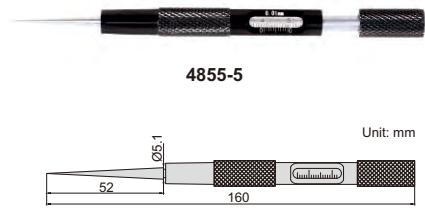
measure diameter of hole



When measuring diameter of holes, correction on reading is needed due to the thickness of taper gage. For example, when reading A is 14.96mm, diameter ØD is 15mm.

SMALL BORE GAGE

- Quick measurement of small bore diameter
- Hardened working face
- Supplied with protection cap



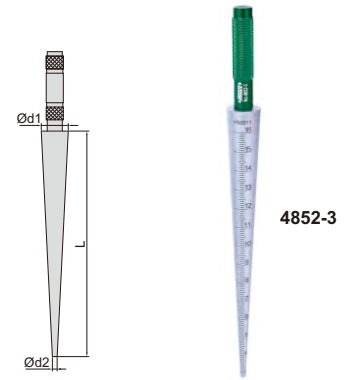
| Code | Range | Graduation | Accuracy | List Price (₹) | Promotion Price (₹) |
|--------|---------|------------|----------|----------------|---------------------|
| 4855-5 | 0.1-5mm | 0.01mm | ±0.03mm | 11487 | 10493 |

TAPER BORE GAGES

- Graduation: 0.1mm
- Accuracy: ±0.05mm
- Quick measurement of bore diameter
- Hardened steel, HRC50-58
- Satin chrome plated surface
- Aluminium oxidized handle

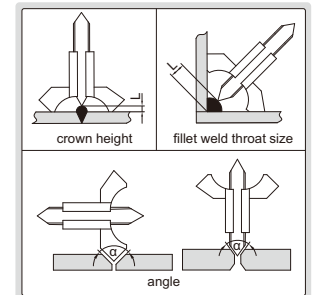
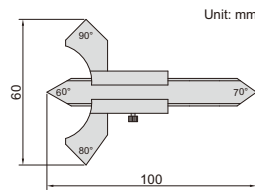
(mm)

| Code | Range | L | Ød1 | Ød2 | List Price (₹) | Promotion Price (₹) |
|---------|---------|------|-----|------|----------------|---------------------|
| 4852-1 | 1-6.5mm | 62.5 | 7 | 0.8 | 2736 | 2456 |
| 4852-3 | 3-16mm | 143 | 17 | 2.8 | 3190 | 2766 |
| 4852-15 | 15-30mm | 165 | 31 | 14.7 | 4902 | 4369 |
| 4852-30 | 30-45mm | 165 | 46 | 29.6 | 5634 | 5465 |
| 4852-45 | 45-60mm | 167 | 61 | 44.3 | 14981 | 13483 |



WELDING GAGE

- Made of stainless steel
- Satin chrome plated reading surface

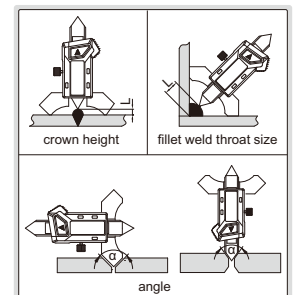
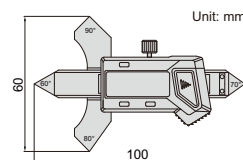


| Code | Measurement | Range | Graduation | Accuracy | List Price (₹) | Promotion Price (₹) |
|------|-------------------------|--------------------|------------|----------|----------------|---------------------|
| 4830 | crown height | 0-8mm | 0.1mm | ±0.1mm | 1683 | 1495 |
| | fillet weld throat size | 0-20mm | 0.1mm | ±0.3mm | | |
| | angle | 60°, 70°, 80°, 90° | — | ±1° | | |

DIGITAL WELDING GAGE

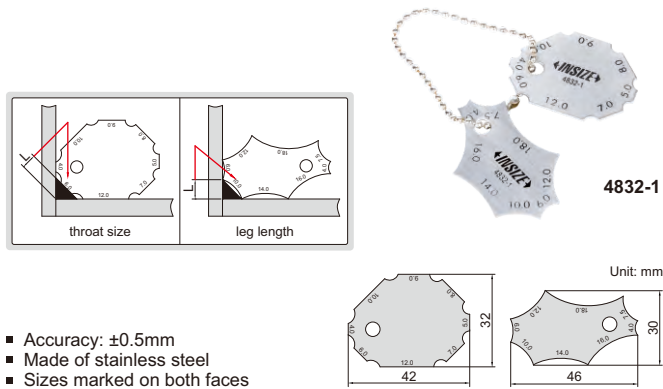
ATTENTION: NO DATA OUTPUT

- Buttons: zero, mm/inch, on/off
- Battery LR44
- Made of stainless steel



| Code | Measurement | Range | Resolution | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|-------------------------|--------------------|----------------|----------|----------------|---------------------|
| 4831-20A | crown height | 0-7mm | 0.01mm/0.0005" | ±0.03mm | 6285 | 5422 |
| | fillet weld throat size | 0-20mm | 0.01mm/0.0005" | ±0.1mm | | |
| | angle | 60°, 70°, 80°, 90° | — | ±1° | | |

FILLET WELDING GAGE

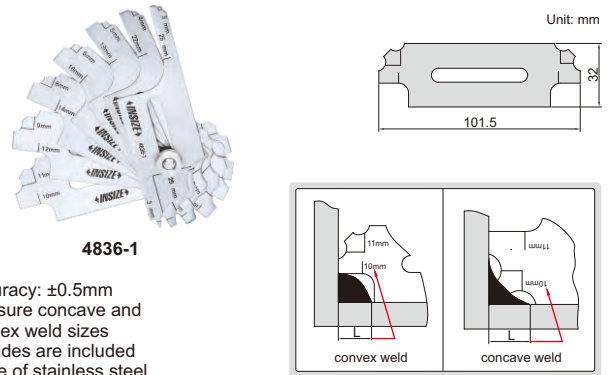


4832-1

- Accuracy: ± 0.5 mm
- Made of stainless steel
- Sizes marked on both faces

| Code | Throat size | Leg length | List Price (₹) | Promotion Price (₹) |
|--------|----------------------------|---------------------------------|----------------|---------------------|
| 4832-1 | 4, 5, 6, 7, 8, 9, 10, 12mm | 4, 6, 7.5, 10, 12, 14, 16, 18mm | 683 | 466 |

FILLET WELDING GAGE



4836-1

- Accuracy: ± 0.5 mm
- Measure concave and convex weld sizes
- 7 blades are included
- Made of stainless steel

| Code | Size (mm) | List Price (₹) | Promotion Price (₹) |
|--------|--------------------------------------------------|----------------|---------------------|
| 4836-1 | 3, 4, 5, 6, 8, 9, 10, 11, 12, 14, 16, 19, 22, 25 | 1650 | 1211 |

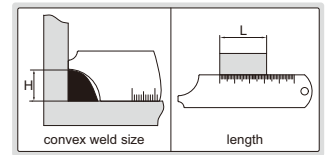
FILLET WELDING GAGE



4847-1

- Measure convex weld sizes
- 3 blades are included
- Made of stainless steel

| Code | Measurement | Range | Graduation | Accuracy | List Price (₹) | Promotion Price (₹) |
|--------|------------------|-----------------------|------------|--------------|----------------|---------------------|
| 4847-1 | convex weld size | 4, 6, 8, 10, 12, 14mm | — | ± 0.5 mm | 895 | 806 |
| | length | 0-50mm | 1mm | ± 0.5 mm | | |



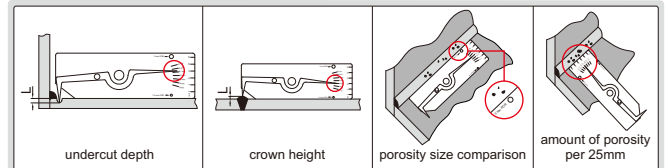
WELDING GAGE



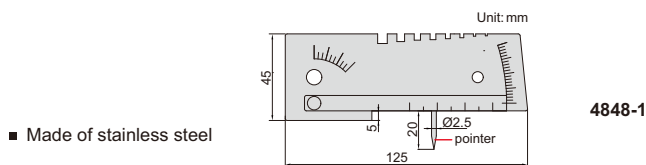
4834-1

- Pointer can be locked for later reference
- Made of stainless steel

| Code | Measurement | Range | Graduation | Accuracy | List Price (₹) | Promotion Price (₹) |
|--------|-----------------------------|------------|------------|--------------|----------------|---------------------|
| 4834-1 | undercut depth | 0-6mm | 0.5mm | ± 0.5 mm | 1210 | 1075 |
| | crown height | 0-6mm | 0.5mm | ± 0.5 mm | | |
| | porosity size comparison | 1.5mm, 3mm | — | ± 0.2 mm | | |
| | amount of porosity per 25mm | 25mm | 1mm | — | | |



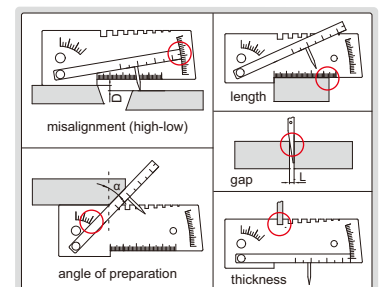
WELDING GAGE



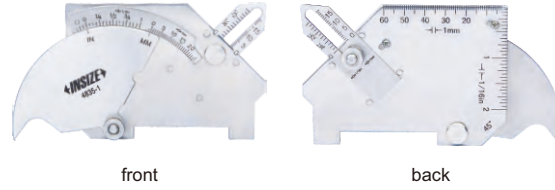
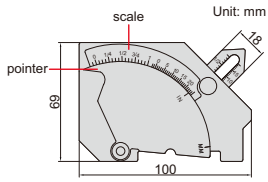
4848-1

- Made of stainless steel

| Code | Measurement | Range | Graduation | Accuracy | List Price (₹) | Promotion Price (₹) |
|--------|-------------------------|-----------------------------------------|------------|-----------------|----------------|---------------------|
| 4848-1 | misalignment (high-low) | -5mm~+15mm | 1mm | ± 0.5 mm | 1794 | 1615 |
| | angle of preparation | 0°-45° | 5° | $\pm 2.5^\circ$ | | |
| | length | 0-50mm | 1mm | ± 0.5 mm | | |
| | gap | 1-4mm | 0.5mm | ± 0.25 mm | | |
| | thickness | 1, 1.2, 2.0, 2.5, 3.0, 3.25, 4.0, 5.0mm | — | ± 0.1 mm | | |



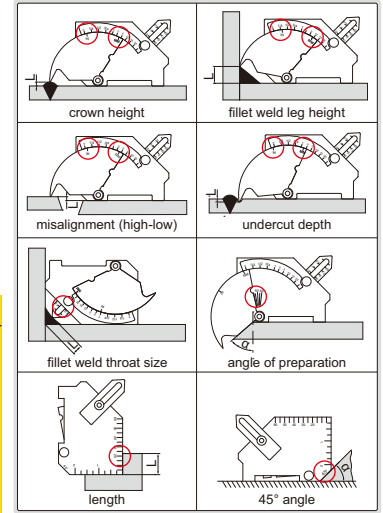
WELDING GAGE



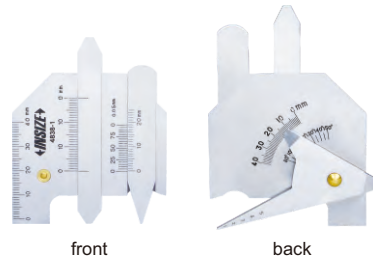
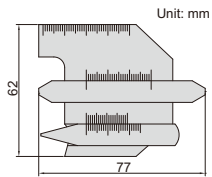
4835-1

- Adjustable scale to compensate pointer wear
- Made of stainless steel

| Code | Measurement | Range | Graduation | Accuracy | List Price (₹) | Promotion Price (₹) |
|--------|-------------------------|-----------------|-------------|----------|----------------|---------------------|
| 4835-1 | crown height | 0-25mm (0-1") | 1mm (1/16") | ±0.5mm | 2279 | 1701 |
| | fillet weld leg height | 0-25mm (0-1") | 1mm (1/16") | ±0.5mm | | |
| | misalignment (high-low) | 0-25mm (0-1") | 1mm (1/16") | ±0.5mm | | |
| | undercut depth | 0-2mm (0-1/8") | 1mm (1/16") | ±0.5mm | | |
| | fillet weld throat size | 0-20mm (0-3/4") | 1mm (1/16") | ±0.5mm | | |
| | angle of preparation | 0-60° | 5° | ±1° | | |
| | length | 0-60mm (0-2") | 1mm (1/16") | ±0.5mm | | |
| | 45° angle | — | — | ±1° | | |



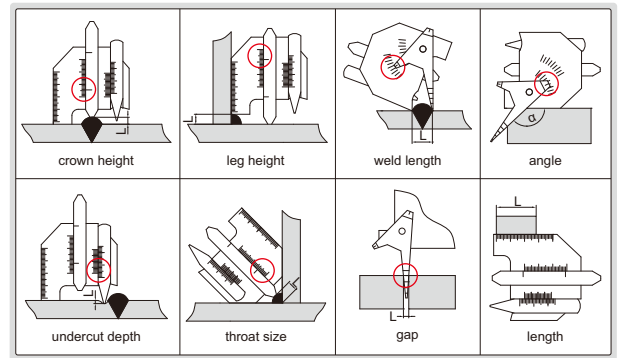
WELDING GAGE



4838-1

- Made of stainless steel

| Code | Measurement | Range | Graduation | Accuracy | List Price (₹) | Promotion Price (₹) |
|--------|----------------|----------|------------|----------|----------------|---------------------|
| 4838-1 | crown height | 0-10mm | 1mm | ±0.5mm | 2264 | 1852 |
| | leg height | 0-14mm | 1mm | ±0.5mm | | |
| | undercut depth | 0-5mm | 0.05mm | ±0.05mm | | |
| | throat size | 0-13mm | 1mm | ±0.5mm | | |
| | weld length | 0-40mm | 1mm | ±1mm | | |
| | angle | 90°-150° | 5° | ±1° | | |
| | gap | 0.5-5mm | 1mm | ±0.5mm | | |
| | length | 0-40mm | 1mm | ±0.5mm | | |

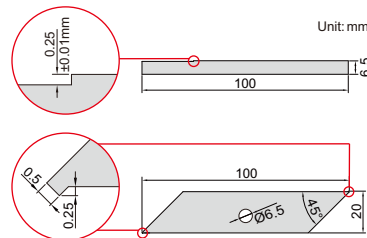


WELDING UNDERCUT GAGE



4849-1

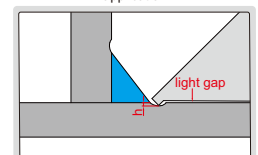
- Measure undercut
- Calibration block is included
- Made of stainless steel



calibration block (included)



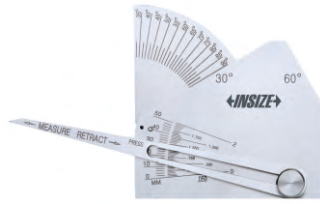
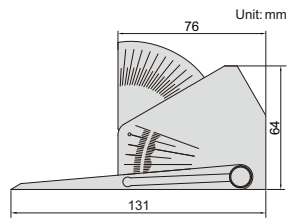
application



when there is a light gap, $h < 0.25\text{mm}$;
when there is no light gap, $h \geq 0.25\text{mm}$

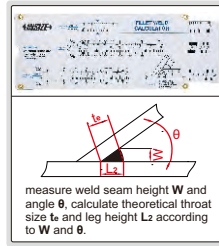
| Code | List Price (₹) | Promotion Price (₹) |
|--------|----------------|---------------------|
| 4849-1 | 7346 | 6611 |

FILLET WELDING GAGE

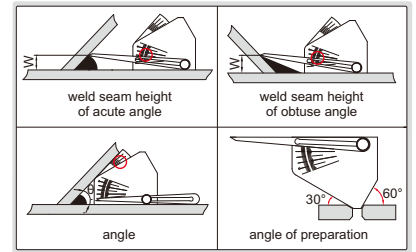


4846-1

calculating card (included)



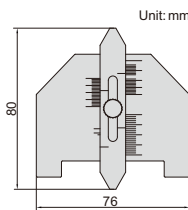
- Calculating card is included
- Made of stainless steel



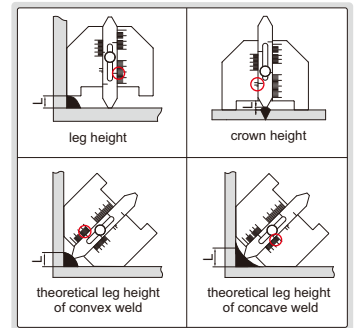
| Code | Measurement | Range | Graduation | Accuracy | List Price (₹) | Promotion Price (₹) |
|--------|----------------------|-------------|------------|-----------------|----------------|---------------------|
| 4846-1 | weld seam height W | 0-50mm/0-2" | 2mm/.050" | ± 1 mm | 2973 | 2676 |
| | angle θ | 30°~90° | 2.5° | $\pm 1^\circ$ | | |
| | 60° angle | — | — | $\pm 0.5^\circ$ | | |

WELDING GAGE

- Accuracy: ± 0.5 mm
- Made of stainless steel



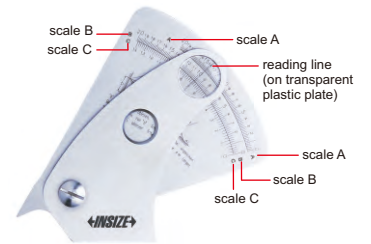
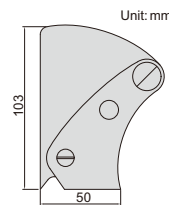
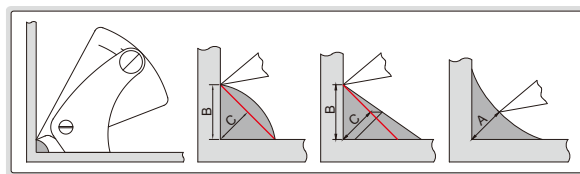
4851-1



| Code | Measurement | Range | Graduation | List Price (₹) | Promotion Price (₹) |
|--------|----------------------------------------|--------|------------|----------------|---------------------|
| 4851-1 | leg height | 0-20mm | 1mm | 1348 | 1231 |
| | crown height | 0-3mm | — | | |
| | theoretical leg height of convex weld | 0-20mm | 1mm | | |
| | theoretical leg height of concave weld | 0-20mm | 1mm | | |

WELDING GAGE

- Made of stainless steel



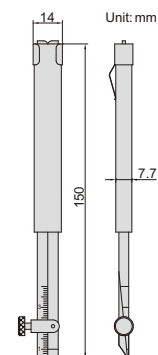
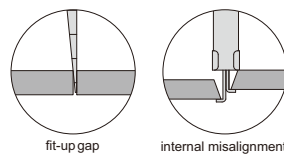
4840-1

| Code | Graduation | Accuracy | List Price (₹) | Promotion Price (₹) |
|--------|------------|--------------|----------------|---------------------|
| 4840-1 | 0.2mm | ± 0.3 mm | 2648 | 2383 |

PIPE WELDING GAGE

- Made of stainless steel

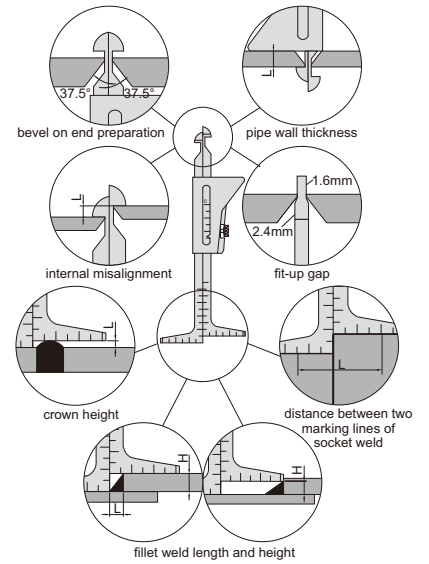
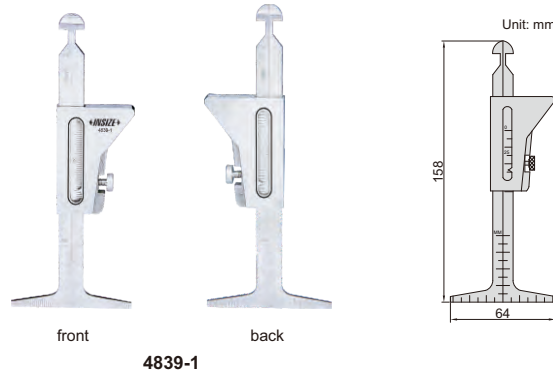
| Code | Measurement | Range | Graduation | Accuracy | List Price (₹) | Promotion Price (₹) |
|--------|-----------------------|---------|------------|--------------|----------------|---------------------|
| 4841-1 | internal misalignment | 0-30mm | 1mm | ± 0.5 mm | 2710 | 2475 |
| | fit-up gap | 0.7-4mm | 0.1mm | ± 0.1 mm | | |



4841-1

PIPE WELDING GAGE

- Made of stainless steel



| Code | Measurement | Range | Graduation | Accuracy | List Price (₹) | Promotion Price (₹) |
|--------|---------------------------------------------------|-------------------|-------------|----------|----------------|---------------------|
| 4839-1 | bevel on end preparation | 37.5° | — | ±1° | 3284 | 2392 |
| | pipe wall thickness | 0-45mm (0~1-3/4") | 1mm (1/16") | ±0.5mm | | |
| | internal misalignment | 0-35mm (0~1-3/8") | 1mm (1/32") | ±0.5mm | | |
| | fit-up gap | 1.6mm, 2.4mm | — | ±0.1mm | | |
| | crown height | 0-35mm (0~1-3/8") | 1mm (1/32") | ±0.5mm | | |
| | distance between two marking lines of socket weld | 0-60mm (0~2-3/8") | 1mm (1/16") | ±0.5mm | | |
| | fillet weld length | 0-30mm (0~1-1/4") | 1mm (1/16") | ±0.5mm | | |
| | fillet weld height | 0-35mm (0~1-3/8") | 1mm (1/32") | ±0.5mm | | |

6-PIECE WELDING GAGE SET

- Includes:
 - Welding gage (code 4834-1)
 - Fillet welding gage, size 3~25mm, 7 blades (code 4836-1)
 - Pipe welding gage (code 4841-1)
 - Telescoping inspection mirror, size of mirror Ø32mm, length 178~505mm (code 7160-1)
 - Pocket rule with sliding clip, range 150mm/6", graduation 1mm, 1/64" (code 7119-150)
 - LED flashlight (code ISGF-0501)



5064

| Code | List Price (₹) | Promotion Price (₹) |
|------|----------------|---------------------|
| 5064 | 6276 | 5648 |

7-PIECE WELDING GAGE SET

- Includes:
 - Welding gage (code 4834-1)
 - Welding gage (code 4851-1)
 - Pipe welding gage (code 4839-1)
 - Outside micrometer, range 0-25mm, graduation 0.01mm (code 3203-25A)
 - Telescoping inspection mirror, size of mirror Ø32mm, length 178~505mm (code 7160-1)
 - Magnifier with illumination, magnification 4X (code 7513-4)
 - Steel rule, range 150mm/6", graduation 0.5mm, 1mm, 1/64", 1/32", 1/16" (code 7110-150)



5071

| Code | List Price (₹) | Promotion Price (₹) |
|------|----------------|---------------------|
| 5071 | 8140 | 7326 |

7-PIECE WELDING GAGE SET

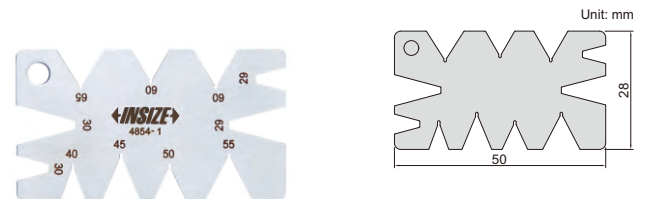
- Includes:
 - Welding gage (code 4834-1)
 - Welding gage (code 4851-1)
 - Fillet welding gage, size 3~25mm, 7 blades (code 4836-1)
 - Outside micrometer, range 0-25mm, graduation 0.01mm (code 3203-25A)
 - Digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.005" (code 1108-150)
 - Pocket rule with sliding clip, range 150mm/6", graduation 1mm, 1/64" (code 7119-150)
 - Magnifier with illumination, magnification 4X (code 7513-4)



5072

| Code | List Price (₹) | Promotion Price (₹) |
|------|----------------|---------------------|
| 5072 | 9063 | 8157 |

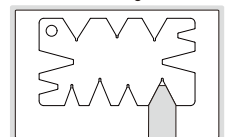
ANGLE GAGE



4854-1

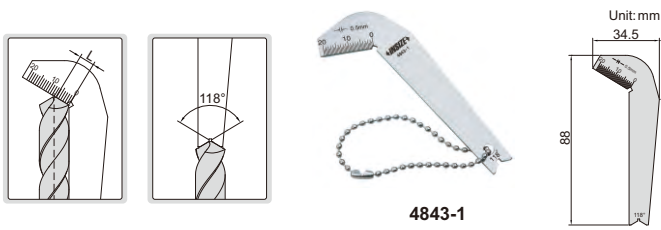
- Accuracy: ±10'
- Made of stainless steel

check the angle of screw cutting tools



| Code | Range | List Price (₹) | Promotion Price (₹) |
|--------|-----------------------------------|----------------|---------------------|
| 4854-1 | 29°, 30°, 40°, 45°, 50°, 55°, 60° | 1831 | 1422 |

DRILL POINT GAGE

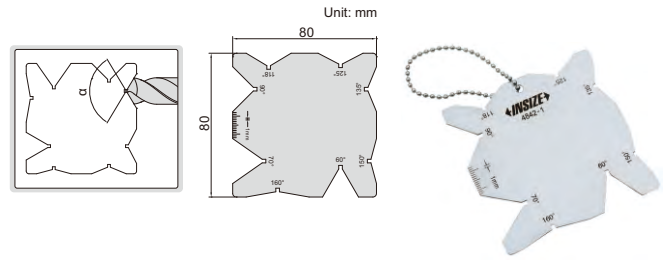


4843-1

- For twist drills with 118° angle, to check if the center of tip is concentric with the drill body
- Made of stainless steel

| Code | Accuracy | | List Price (₹) | Promotion Price (₹) |
|--------|----------|--------|----------------|---------------------|
| | Angle | Length | | |
| 4843-1 | ±0.5° | ±0.5mm | 443 | 387 |

DRILL ANGLE GAGE



4842-1

- Check drills with angle 60°, 70°, 90°, 118°, 125°, 135°, 150° or 160°
- Made of stainless steel

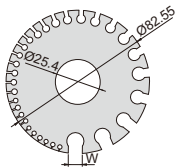
| Code | Accuracy | List Price (₹) | Promotion Price (₹) |
|--------|----------|----------------|---------------------|
| 4842-1 | ±0.5° | 563 | 491 |

U.S. STANDARD SHEET METAL GAGE



4809

Unit: mm

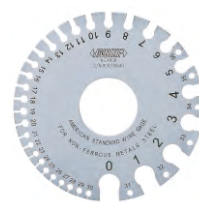


| No. | W | No. | W |
|-----|-----------------|-----|-----------------|
| 0 | 7.938mm/0.3125" | 18 | 1.270mm/0.0500" |
| 1 | 7.144mm/0.2813" | 19 | 1.111mm/0.0438" |
| 2 | 6.747mm/0.2656" | 20 | 0.953mm/0.0375" |
| 3 | 6.350mm/0.2500" | 21 | 0.873mm/0.0344" |
| 4 | 5.953mm/0.2344" | 22 | 0.794mm/0.0313" |
| 5 | 5.556mm/0.2188" | 23 | 0.714mm/0.0281" |
| 6 | 5.159mm/0.2031" | 24 | 0.635mm/0.0250" |
| 7 | 4.763mm/0.1875" | 25 | 0.556mm/0.0219" |
| 8 | 4.366mm/0.1719" | 26 | 0.476mm/0.0188" |
| 9 | 3.969mm/0.1563" | 27 | 0.437mm/0.0172" |
| 10 | 3.572mm/0.1406" | 28 | 0.397mm/0.0156" |
| 11 | 3.175mm/0.1250" | 29 | 0.357mm/0.0141" |
| 12 | 2.778mm/0.1094" | 30 | 0.318mm/0.0125" |
| 13 | 2.381mm/0.0938" | 31 | 0.278mm/0.0109" |
| 14 | 1.984mm/0.0781" | 32 | 0.258mm/0.0102" |
| 15 | 1.786mm/0.0703" | 33 | 0.238mm/0.0094" |
| 16 | 1.588mm/0.0625" | 34 | 0.218mm/0.0086" |
| 17 | 1.429mm/0.0563" | 35 | 0.198mm/0.0078" |
| | | 36 | 0.179mm/0.0070" |

- For gaging sheet metal, plate iron and steel
- Hardened to HRC50-57

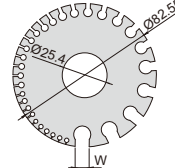
| Code | Range | List Price (₹) | Promotion Price (₹) |
|------|-------------------------------------|----------------|---------------------|
| 4809 | 0-36 (7.938-0.179mm/0.3125-0.0070") | 1485 | 1250 |

AMERICAN STANDARD WIRE GAGE



4808

Unit: mm

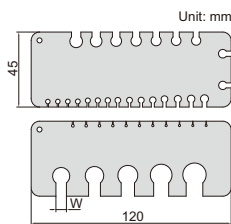


| No. | W | No. | W |
|-----|-----------------|-----|-----------------|
| 0 | 8.250mm/0.3249" | 18 | 1.020mm/0.0403" |
| 1 | 7.350mm/0.2893" | 19 | 0.912mm/0.0359" |
| 2 | 6.540mm/0.2576" | 20 | 0.813mm/0.0320" |
| 3 | 5.830mm/0.2294" | 21 | 0.724mm/0.0285" |
| 4 | 5.190mm/0.2043" | 22 | 0.643mm/0.0253" |
| 5 | 4.620mm/0.1819" | 23 | 0.574mm/0.0226" |
| 6 | 4.110mm/0.1620" | 24 | 0.511mm/0.0201" |
| 7 | 3.670mm/0.1443" | 25 | 0.440mm/0.0179" |
| 8 | 3.260mm/0.1285" | 26 | 0.404mm/0.0159" |
| 9 | 2.910mm/0.1144" | 27 | 0.361mm/0.0142" |
| 10 | 2.590mm/0.1019" | 28 | 0.320mm/0.0126" |
| 11 | 2.300mm/0.0907" | 29 | 0.287mm/0.0113" |
| 12 | 2.050mm/0.0808" | 30 | 0.254mm/0.0100" |
| 13 | 1.820mm/0.0720" | 31 | 0.226mm/0.0089" |
| 14 | 1.630mm/0.0641" | 32 | 0.203mm/0.0080" |
| 15 | 1.450mm/0.0571" | 33 | 0.180mm/0.0071" |
| 16 | 1.290mm/0.0508" | 34 | 0.160mm/0.0063" |
| 17 | 1.150mm/0.0453" | 35 | 0.142mm/0.0056" |
| | | 36 | 0.127mm/0.0050" |

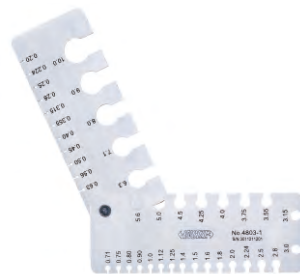
- For gaging non-ferrous wire and metals such as copper, brass and aluminum
- Hardened to HRC50-57

| Code | Range | List Price (₹) | Promotion Price (₹) |
|------|-------------------------------------|----------------|---------------------|
| 4808 | 0-36 (8.250-0.127mm/0.3249-0.0050") | 1485 | 1250 |

WIRE GAGE



- For gaging non-ferrous wire and metals such as copper, brass and aluminum
- Hardened to HRC51-53
- Including 2 pcs wire gages



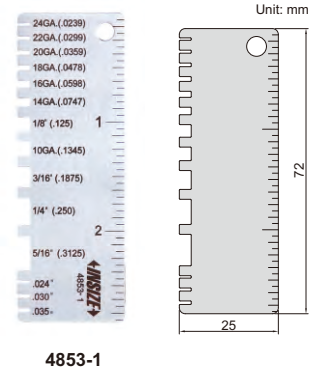
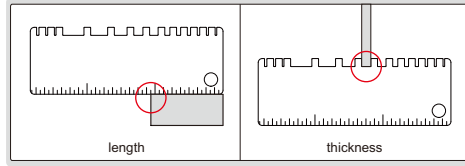
4803-1

| Code | Range | List Price (₹) | Promotion Price (₹) |
|--------|----------|----------------|---------------------|
| 4803-1 | 0.2-10mm | 2936 | 2642 |

| Wire diameter (W) | Wire diameter (W) | Wire diameter (W) |
|-------------------|-------------------|-------------------|
| 0.200mm | 0.900mm | 3.55mm |
| 0.224mm | 1.000mm | 3.75mm |
| 0.250mm | 1.120mm | 4.00mm |
| 0.280mm | 1.250mm | 4.25mm |
| 0.315mm | 1.400mm | 4.50mm |
| 0.355mm | 1.500mm | 5.00mm |
| 0.400mm | 1.60mm | 5.60mm |
| 0.450mm | 1.80mm | 6.30mm |
| 0.500mm | 2.00mm | 7.10mm |
| 0.560mm | 2.24mm | 8.00mm |
| 0.630mm | 2.50mm | 9.00mm |
| 0.710mm | 2.80mm | 10.00mm |
| 0.750mm | 3.00mm | |
| 0.800mm | 3.15mm | |

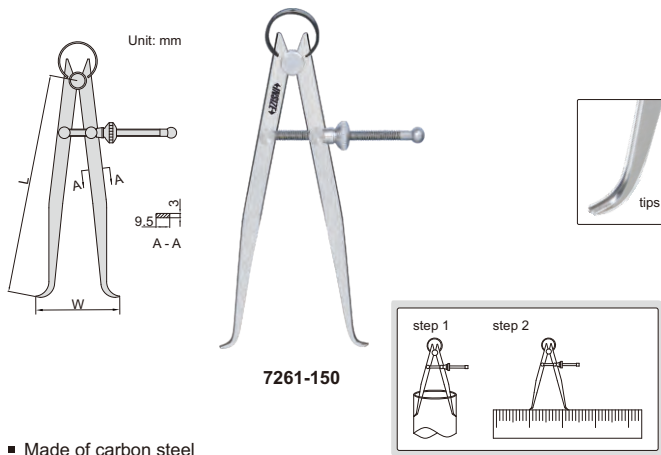
THICKNESS GAGE

- Made of stainless steel



| Code | Measurement | Range | Graduation | Accuracy | List Price (₹) | Promotion Price (₹) |
|--------|------------------------|----------------------------------------------------------------------------------------------------------------------------|------------|----------|----------------|---------------------|
| 4853-1 | length | 0-2 3/4" | 1/16" | 1/32" | 1831 | 1422 |
| | thickness | 24GA.(0.0239"), 22GA.(0.0299"), 20GA.(0.0359") | — | ±0.002" | | |
| | | 18GA.(0.0478"), 16GA.(0.0598"), 14GA.(0.0747"), 1/8"(0.125"), 10GA.(0.1345"), 3/16"(0.1875"), 1/4"(0.250"), 5/16"(0.3125") | | ±0.004" | | |
| | 0.024", 0.030", 0.035" | | ±0.002" | | | |

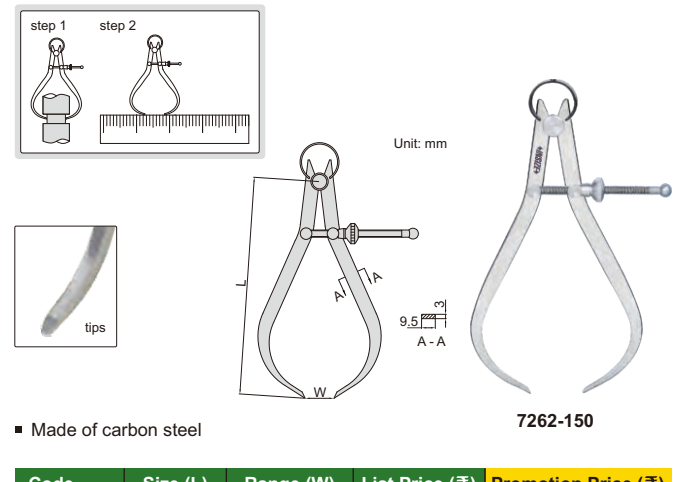
INSIDE SPRING CALIPERS



- Made of carbon steel

| Code | Size (L) | Range (W) | List Price (₹) | Promotion Price (₹) |
|----------|----------|-----------|----------------|---------------------|
| 7261-150 | 150mm | 20-170mm | 741 | 672 |
| 7261-200 | 200mm | 22-220mm | 882 | 785 |
| 7261-300 | 300mm | 30-320mm | 1335 | 1187 |

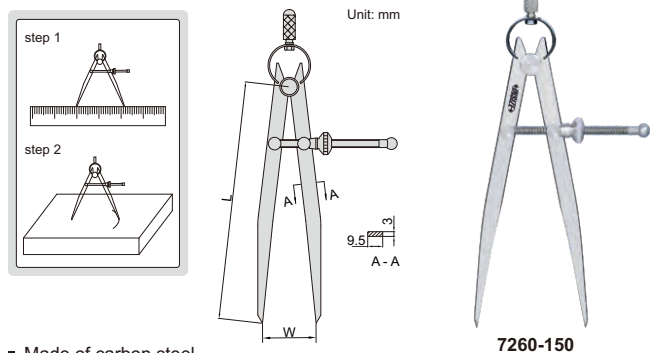
OUTSIDE SPRING CALIPERS



- Made of carbon steel

| Code | Size (L) | Range (W) | List Price (₹) | Promotion Price (₹) |
|----------|----------|-----------|----------------|---------------------|
| 7262-150 | 150mm | 0-140mm | 741 | 672 |
| 7262-200 | 210mm | 0-210mm | 882 | 785 |
| 7262-300 | 310mm | 0-320mm | 1438 | 1279 |

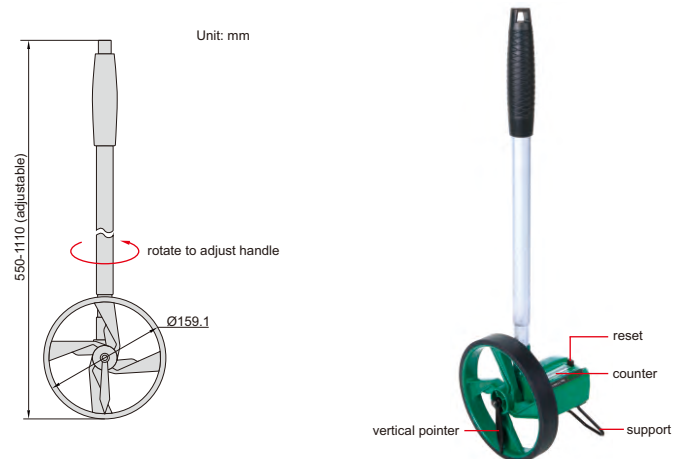
SPRING DIVIDERS



- Made of carbon steel
- Hardened points

| Code | Size (L) | Range (W) | List Price (₹) | Promotion Price (₹) |
|----------|----------|-----------|----------------|---------------------|
| 7260-150 | 150mm | 0-150mm | 741 | 672 |
| 7260-200 | 200mm | 0-210mm | 882 | 785 |
| 7260-300 | 300mm | 0-320mm | 1335 | 1187 |

MEASURING WHEEL (BASIC TYPE)



- ABS plastic frame, wear-resistant PU tire
- Three-section adjustable handle

| Code | Range | Resolution | List Price (₹) | Promotion Price (₹) |
|--------|-------------|------------|----------------|---------------------|
| 7144-1 | 0.1-9999.9m | 0.1m | 3615 | 3094 |

MEASURING WHEEL

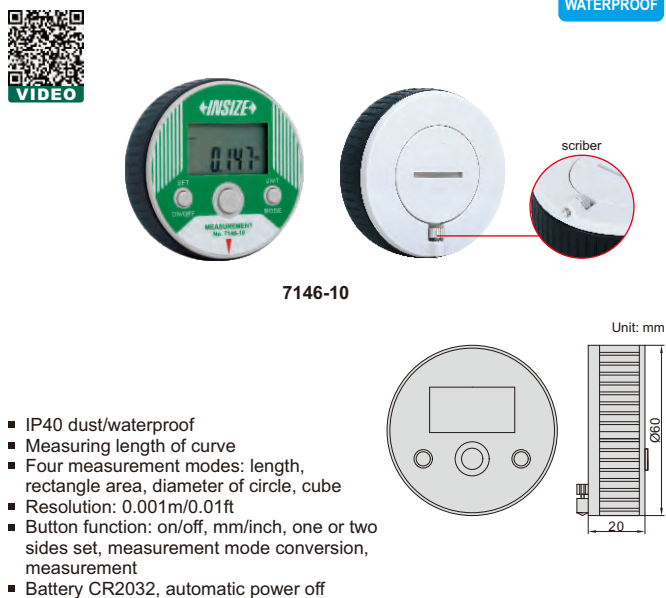


- ABS plastic frame, wear-resistant PU tire
- Two-section foldable handle

| Code | Range | Resolution | List Price (₹) | Promotion Price (₹) |
|--------|-------------|------------|----------------|---------------------|
| 7145-1 | 0.1-9999.9m | 0.1m | 8177 | 6998 |

DIGITAL MEASURING WHEEL

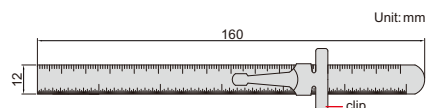
IP40
WATERPROOF



| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|---------|----------------|--------------------------------------|----------------|---------------------|
| 7146-10 | 0-10m/0-32.8ft | ±0.3%L (L is the measured length) | 1911 | 1745 |

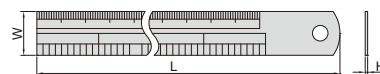
POCKET RULE WITH SLIDING CLIP

- Accuracy: ±0.15mm
- With sliding clip, clip can be inserted in the pocket, also can be used as depth gage base
- Inch/metric conversion table on the back
- Made of stainless steel



| Code | Range | Graduation | List Price (₹) | Promotion Price (₹) |
|----------|----------|------------|----------------|---------------------|
| 7119-150 | 150mm/6" | 1mm, 1/64" | 73 | 66 |

STEEL RULES



Individual (1 pc per package)

(mm)

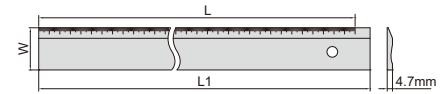
| Code | Range | Accuracy | L | W | H | Remark | List Price (₹) | Promotion Price (₹) |
|-----------|------------|----------|------|----|-----|------------------------------|----------------|---------------------|
| 7110-150 | 150mm/6" | ±0.18mm | 170 | 18 | 1.0 | graduation on front and back | 89 | 80 |
| 7110-200 | 200mm/8" | ±0.18mm | 220 | 18 | 1.0 | graduation on front and back | 100 | 90 |
| 7110-300 | 300mm/12" | ±0.27mm | 330 | 25 | 1.0 | graduation on front and back | 156 | 140 |
| 7110-3001 | 300mm/12" | ±0.27mm | 325 | 30 | 1.0 | graduation on front and back | 195 | 176 |
| 7110-500 | 500mm/20" | ±0.27mm | 530 | 30 | 1.2 | graduation on front and back | 326 | 293 |
| 7110-600 | 600mm/24" | ±0.45mm | 630 | 30 | 1.2 | graduation on front and back | 367 | 330 |
| 7110-1000 | 1000mm/40" | ±0.45mm | 1040 | 32 | 1.5 | graduation on front and back | 730 | 657 |
| 7110-1500 | 1500mm/60" | ±0.63mm | 1550 | 38 | 1.8 | graduation on front | 1865 | 1679 |
| 7110-2000 | 2000mm/80" | ±0.80mm | 2065 | 40 | 2.0 | graduation on front | 2757 | 2481 |

- Graduation: 0.5mm, 1mm, 1/64", 1/32", 1/16"
- Rigid rules
- Made of stainless steel
- Non-glare surface

ALUMINUM RULES

- Graduation: 1mm
- Made of aluminum, oxidized surface

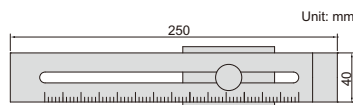
| Code | Range (L) | Accuracy | L1 | W | List Price (₹) | Promotion Price (₹) |
|-----------|-----------|----------|--------|------|----------------|---------------------|
| 7123-300 | 300mm | ±0.5mm | 321mm | 50mm | 385 | 269 |
| 7123-600 | 600mm | ±0.9mm | 624mm | 50mm | 541 | 379 |
| 7123-1000 | 1000mm | ±0.9mm | 1024mm | 50mm | 1106 | 774 |



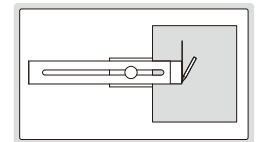
7123-300

MARKING GAGE

- Accuracy: ±0.1mm
- Made of carbon steel
- Satin chrome plated



7120-200A



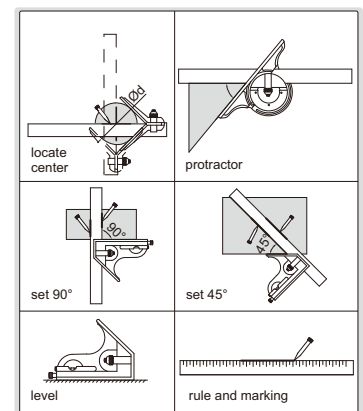
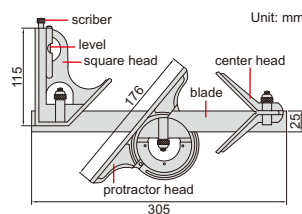
| Code | Range | Graduation | List Price (₹) | Promotion Price (₹) |
|-----------|---------|------------|----------------|---------------------|
| 7120-200A | 0-200mm | 0.1mm | 1693 | 1547 |

COMBINATION SQUARE SET

- Center head (made of cast iron): to locate center of cylinders with diameter (Ød): 30-100mm accuracy: ±0.15mm
- Protractor head (made of cast iron): set the blade at desired angle to an edge of a workpiece, and can be used to measure angles range: 0-180° accuracy: ±20min.
- Square head (made of cast iron): set the blade at 90° or 45° to an edge of a workpiece accuracy: ±8min for 90° square, ±10min for 45° square
- Blade (made of stainless steel): range: 300mm/12", graduation: 0.5mm and 1/32" on front face, 1mm and 1/64" on back face
- Optional accessory: rigid rule (code 7113)



2278-180



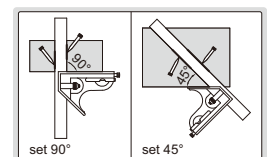
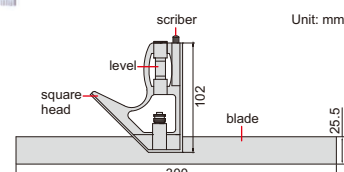
| Code | Remark | List Price (₹) | Promotion Price (₹) |
|----------|-------------|----------------|---------------------|
| 2278-180 | 4-piece set | 6905 | 5673 |

COMBINATION SQUARE (ECONOMIC TYPE)

- Square head (made of zinc): set the blade at 90° or 45° to an edge of a workpiece accuracy: ±0.5°
- Blade (made of stainless steel): range: 300mm/12", graduation: 1mm and 1/32" on front face, 1mm and 1/16" on back face



2276-300

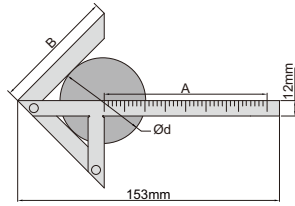


| Code | List Price (₹) | Promotion Price (₹) |
|----------|----------------|---------------------|
| 2276-300 | 557 | 529 |

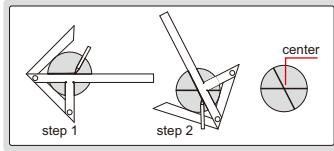
CENTER MARKING GAGE



7205-100



- Accuracy: $\pm 0.15\text{mm}$
- Diameter of shafts ($\varnothing d$): 4-90mm
- Marking the center of round plates and shafts
- Made of stainless steel
- Satin chrome plated



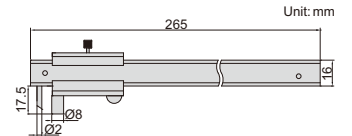
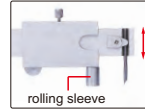
| Code | Size (AxB) | List Price (₹) | Promotion Price (₹) |
|----------|------------|----------------|---------------------|
| 7205-100 | 100x70mm | 3338 | 3171 |

SCRIBER CALIPER



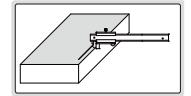
7202-200A

the position of scriber tip can be adjusted



Unit: mm

- Accuracy: $\pm 0.1\text{mm}$
- Graduation: 0.1mm, 1/128"
- Made of stainless steel
- Satin chrome plated reading surface
- Carbide scriber tip
- Optional accessory: carbide scriber tip (code SP-SCRIBER-7202)



| Code | Range | List Price (₹) | Promotion Price (₹) |
|-----------|--------------|----------------|---------------------|
| 7202-200A | 0-200mm/0-8" | 2816 | 2572 |

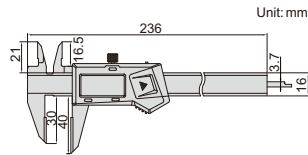
DIGITAL SCRIBING CALIPER

DATA OUTPUT



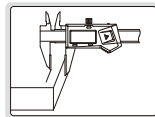
1166-150A

carbide measuring faces



Unit: mm

- Accuracy: $\pm 0.03\text{mm}$
- Resolution: 0.01mm/0.0005"
- The carbide-tipped jaws facilitate scribing on workpieces
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)

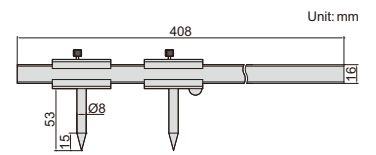


| Code | Range | List Price (₹) | Promotion Price (₹) |
|-----------|--------------|----------------|---------------------|
| 1166-150A | 0-150mm/0-6" | 10440 | 9396 |

SCRIBING CALIPER

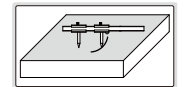


7203-300A



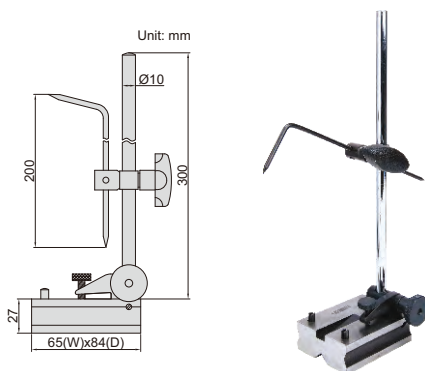
Unit: mm

- Accuracy: $\pm 0.1\text{mm}$
- Graduation: 0.1mm
- Made of stainless steel
- Satin chrome plated reading surface
- Hardened scriber tips

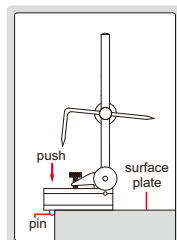
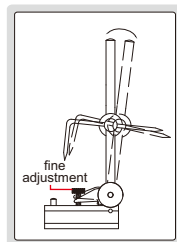
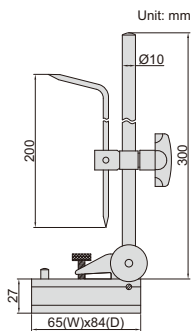


| Code | Range | List Price (₹) | Promotion Price (₹) |
|-----------|----------|----------------|---------------------|
| 7203-300A | 51-300mm | 6650 | 5985 |

HEIGHT SCRIBER



6990-300A



- Grooved bottom for cylinders
- Two pins to be set against the edge of surface plate

| Code | List Price (₹) | Promotion Price (₹) |
|-----------|----------------|---------------------|
| 6990-300A | 2696 | 2089 |

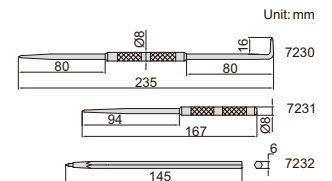
SCRIBERS



7230

7231

7232



Unit: mm

- 7230 and 7231 are nickel plated, 7232 is zinc-plated

| Code | Tip | List Price (₹) | Promotion Price (₹) |
|------|---------------|----------------|---------------------|
| 7230 | hardened tips | 270 | 262 |
| 7231 | hardened tip | 252 | 227 |
| 7232 | carbide tip | 250 | 225 |

PRECISION SCREWDRIVER SET CODE ISGF-0901

- Includes:
 - 4 pcs "-": 1.4mm, 2.0mm, 2.4mm, 3.0mm
 - 2 pcs "+": 0#, 1#
- Rotating cap
- Material: CRV, hardness: HRC52-56



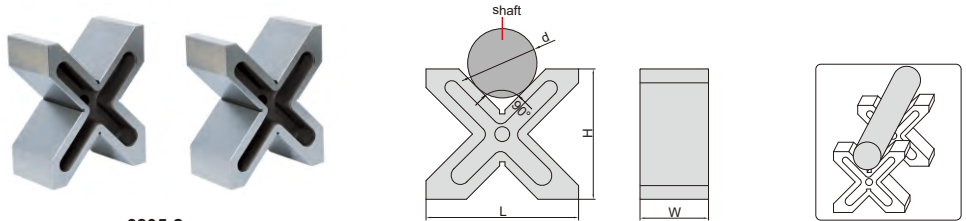
ISGF-0901



| Code | List Price (₹) | Promotion Price (₹) |
|-----------|----------------|---------------------|
| ISGF-0901 | 524 | 453 |

V-BLOCK SETS

- For positioning cylindrical workpieces
- Two V-blocks per set
- Each V-block has four 90° V-grooves
- Cast iron, hardness HB170-240



6805-2

| Code | Size (L×H×W) | Range of shafts (Ød) | Parallelism of four V grooves to all sides | Height difference of a matched pair | List Price (₹) | Promotion Price (₹) |
|--------|--------------|----------------------|--------------------------------------------|-------------------------------------|----------------|---------------------|
| 6805-1 | 150×130×75mm | 8-120mm | 15µm | 20µm | 36207 | 35121 |
| 6805-2 | 200×170×90mm | 12-180mm | 15µm | 20µm | 43305 | 42006 |

MAGNETIC V-BLOCKS (ECONOMIC TYPE)

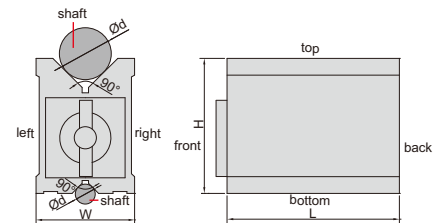
ATTENTION: NOT SUITABLE FOR STEEL OR IRON SURFACES, OTHERWISE THE MAGNETIC FORCE WILL BE REDUCED

ATTENTION: NOT HARDENED

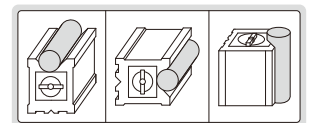
- Parallelism of V grooves to top, bottom, left, right side: 10µm
- Squareness of V grooves to back side: 10µm
- Hold cylindrical workpieces for inspection and machining
- Not hardened
- V groove on the top for large shafts
- V groove on the bottom for small shafts
- Not suitable for steel or iron surfaces, otherwise the magnetic force will be reduced



6801-1201



| Code | Size (LxWxH) | Range of shafts (Ød) | Magnetic force | List Price (₹) | Promotion Price (₹) |
|-----------|--------------|----------------------|----------------|----------------|---------------------|
| 6801-1201 | 80x70x95mm | 6-67mm | 64kgf | 8306 | 6903 |
| 6801-1202 | 100x70x95mm | 6-67mm | 80kgf | 9116 | 7556 |
| 6801-1203 | 120x70x95mm | 6-67mm | 96kgf | 10088 | 8814 |



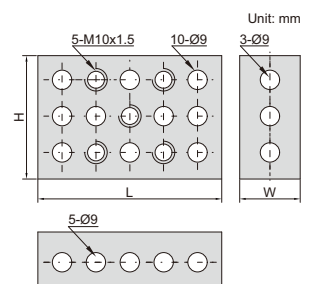
PARALLEL SQUARE SET

- Size accuracy: 10µm
- Parallelism: 10µm
- Height difference of a matched pair: 10µm
- Pairs of matched blocks for positioning and set-up
- Screws and wrench are included
- Hardness HRC 55-62

screws and wrench are included



6531-25



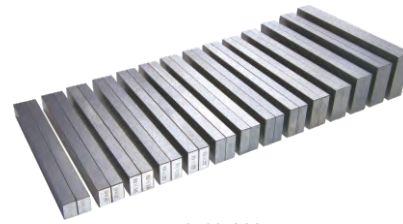
| Code | Size (L×H×W) | Squareness | List Price (₹) | Promotion Price (₹) |
|---------|--------------|------------|----------------|---------------------|
| 6531-25 | 75×50×25mm | 7µm/25mm | 3615 | 2532 |

PARALLEL SET

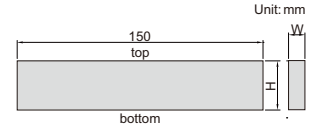
- Parallelism between top and bottom: 5µm
- Height difference of a matched pair: 5µm
- Hardened to HRC55-60
- Made of alloy tool steel

(mm)

| Code | Parallels per set | Thickness (W) | Height (H) | List Price (₹) | Promotion Price (₹) |
|----------|-------------------|---------------|--------------------------------------------------------|----------------|---------------------|
| 6533-144 | 14 pairs | 10 | 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 35, 40, 45, 50 | 19056 | 17407 |



6533-144

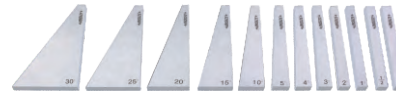


Unit: mm

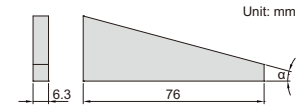
ANGLE PLATE SETS

- Accuracy: ±20 seconds
- For angle set-up in tooling, production and inspection
- Hardness HRC52

| Code | Angle plates included | Angle α | List Price (₹) | Promotion Price (₹) |
|---------|-----------------------|---------------------------------------------------------|----------------|---------------------|
| 4006-10 | 10 pcs | 1°, 2°, 3°, 4°, 5°, 10°, 15°, 20°, 25°, 30° | 4906 | 4218 |
| 4006-12 | 12 pcs | 1/4°, 1/2°, 1°, 2°, 3°, 4°, 5°, 10°, 15°, 20°, 25°, 30° | 6249 | 5372 |



4006-12



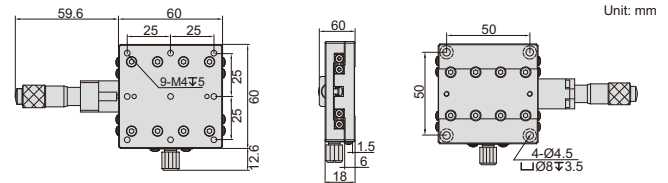
Unit: mm

X-AXIS STAGE

- Cross roller guides, achieve high precision and smooth movement
- Stages made of aluminum alloy



6582-602



Unit: mm

SPECIFICATION (micrometer in the middle)

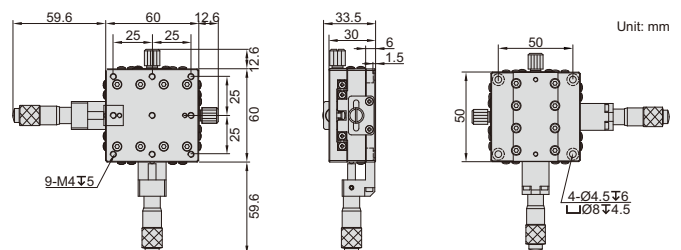
| Code | X-axis displacement | Parallelism of top to bottom surface | Micrometer graduation | Micrometer accuracy | Maximum load | Micrometer location | Stage size | Weight | List Price (₹) | Promotion Price (₹) |
|----------|---------------------|--------------------------------------|-----------------------|---------------------|--------------|---------------------|------------|--------|----------------|---------------------|
| 6582-602 | ±6.5mm | 0.03mm | 0.01mm | 0.01mm | 49N (5kgf) | middle | 60x60mm | 0.24kg | 6634 | 5971 |

XY-AXIS STAGE

- Cross roller guides, achieve high precision and smooth movement
- Stages made of aluminum alloy



6584-602



Unit: mm

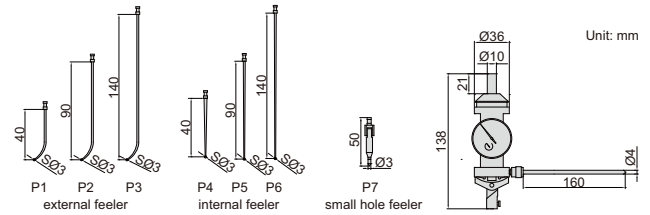
SPECIFICATION (micrometer in the middle)

| Code | XY-axis displacement | Parallelism of top to bottom surface | Micrometer graduation | Micrometer accuracy | Maximum load | Micrometer location | Stage size | Weight | List Price (₹) | Promotion Price (₹) |
|----------|----------------------|--------------------------------------|-----------------------|---------------------|--------------|---------------------|------------|--------|----------------|---------------------|
| 6584-602 | ±6.5mm | 0.06mm | 0.01mm | 0.01mm | 49N (5kgf) | middle | 60x60mm | 0.48kg | 12862 | 11576 |

CENTERING INDICATOR



2385-3

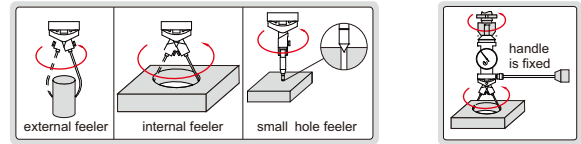


Unit: mm

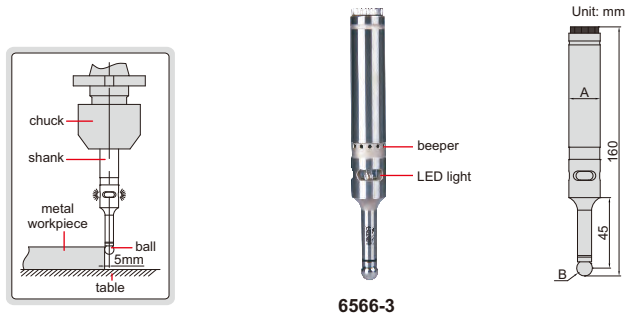
- Provides quick and accurate centering in boring and milling set-up
- Maximum speed is recommended not to exceed 800RPM

| Feeler | Measuring diameter | Accuracy |
|--------|--------------------|----------|
| P1 | Ø0-60mm | 0.015mm |
| P2 | Ø0-160mm | 0.02mm |
| P3 | Ø0-250mm | 0.03mm |
| P4 | Ø3.2-80mm | 0.015mm |
| P5 | Ø3.2-180mm | 0.02mm |
| P6 | Ø3.2-280mm | 0.03mm |
| P7 | Ø0-2.8mm | 0.015mm |

| Code | List Price (₹) | Promotion Price (₹) |
|--------|----------------|---------------------|
| 2385-3 | 10147 | 7566 |



ELECTRONIC EDGE FINDER

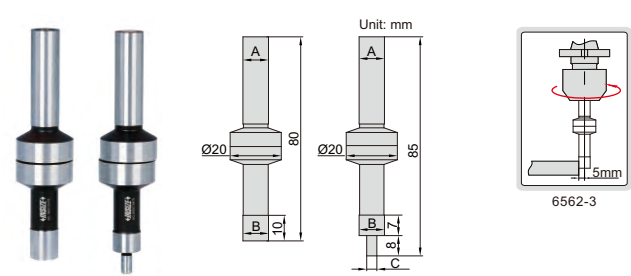


6566-3

- The shank is electrically conducted to the metal workpiece through the chuck and table, the LED lights up and the beeper sounds, when the ball touches the workpiece
- Not suitable for rotary use
- Hardened shank and contact ball
- Battery: 23A, 12Vx1 pc

| Code | Shank (A) | Contact ball (B) | Accuracy | Beeper | List Price (₹) | Promotion Price (₹) |
|--------|-----------|------------------|----------|--------|----------------|---------------------|
| 6566-3 | Ø20mm | SØ10mm | 5µm | with | 7301 | 6607 |

EDGE FINDERS



6562-3

6562-4

6562-3

6562-4

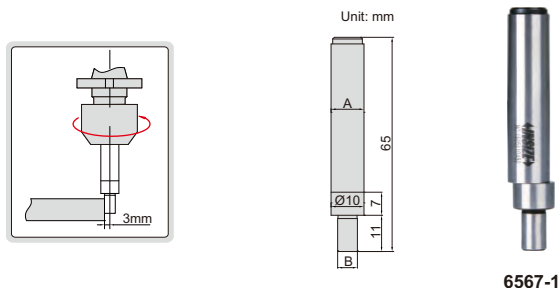
6562-3

6562-4

- Accuracy: 5µm
- Hardened shank and contact point
- Suitable for machine speed 400-600rpm

| Code | Shank (A) | Contact point (B) | Contact point (C) | List Price (₹) | Promotion Price (₹) |
|--------|-----------|-------------------|-------------------|----------------|---------------------|
| 6562-3 | Ø10mm | Ø10mm | — | 3179 | 2572 |
| 6562-4 | Ø10mm | Ø10mm | Ø4mm | 3277 | 2684 |

EDGE FINDER



6567-1

- Hardened shank and contact point
- Suitable for machine speed 400-600rpm

| Code | Shank (A) | Contact point (B) | Accuracy | List Price (₹) | Promotion Price (₹) |
|--------|-----------|-------------------|----------|----------------|---------------------|
| 6567-1 | Ø10mm | Ø6mm | 8µm | 1579 | 1532 |

CERAMIC EDGE FINDER



6568-1

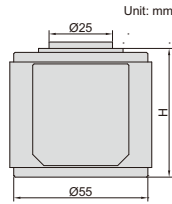
- Ceramic contact point, non magnetic
- Suitable for machine speed 400-600rpm

| Code | Shank (A) | Contact point (B) | Accuracy | List Price (₹) | Promotion Price (₹) |
|--------|-----------|-------------------|----------|----------------|---------------------|
| 6568-1 | Ø10mm | Ø10mm | 8µm | 5821 | 5292 |

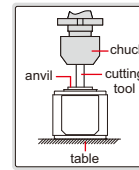
DIGITAL ZERO SETTER

IP65 WATERPROOF

- Resolution: 0.001mm/0.00005"
- IP65 dust/waterproof
- Buttons: on/off, mm/inch, zero
- CR2032 battery
- Automatic power off
- Magnetic base
- Automatic backlight at zero



6557-50



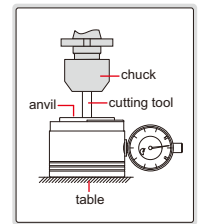
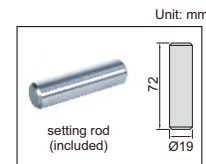
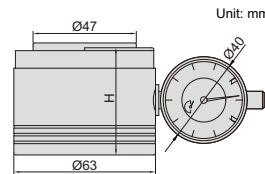
| Code | Height (H) | Anvil stroke | Accuracy* | Test force | Repeatability | List Price (₹) | Promotion Price (₹) |
|---------|------------|--------------|---------------|---------------|---------------|----------------|---------------------|
| 6557-50 | 50mm | 2.5mm | ±10µm/0.0004" | 10N (at 50mm) | 2µm | 5764 | 5591 |

*The accuracy is ensured within Ø10mm of the center

ZERO SETTER



6556-50



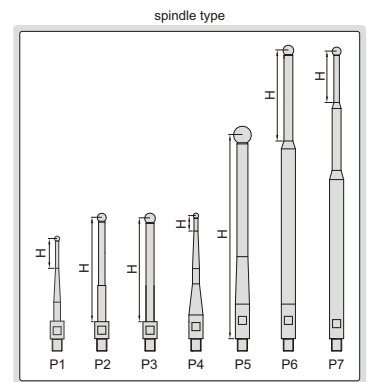
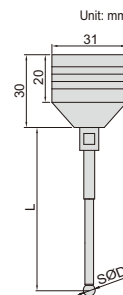
| Code | Height (H) | Test force | Accuracy | List Price (₹) | Promotion Price (₹) |
|---------|------------|---------------|----------|----------------|---------------------|
| 6556-50 | 50mm | 10N (at 50mm) | ±10µm | 22102 | 20189 |

EDGE FINDERS FOR EDM

CAN BE CUSTOM-MADE



6558-52



- To locate workpieces
- Buzzer in EDM sounds when the ball touches the workpiece
- Non magnetic tungsten steel ball, diameter accuracy: ±0.002mm
- Non magnetic stainless steel spindle
- Magnetic base

| (mm) | | | | | | | (mm) | | | | | | |
|---------|-----------------|-------------------|--------------------|--------------|----------------|---------------------|----------|-----------------|-------------------|--------------------|--------------|----------------|---------------------|
| Code | Ball dia. (SØD) | Spindle length(L) | Measuring depth(H) | Spindle type | List Price (₹) | Promotion Price (₹) | Code | Ball dia. (SØD) | Spindle length(L) | Measuring depth(H) | Spindle type | List Price (₹) | Promotion Price (₹) |
| 6558-11 | SØ1 | 69 | 5 | P4 | 1097 | 1042 | 6558-54 | SØ5 | 167 | 46 | P6 | 1850 | 1757 |
| 6558-21 | SØ2 | 49 | 6 | P1 | 1097 | 1042 | 6558-61 | SØ6 | 47 | 35 | P3 | 1097 | 1042 |
| 6558-22 | SØ2 | 69 | 6 | P4 | 1097 | 1042 | 6558-62 | SØ6 | 67 | 56 | P3 | 1097 | 1042 |
| 6558-23 | SØ2 | 119 | 8 | P4 | 1477 | 1404 | 6558-63 | SØ6 | 87 | 76 | P3 | 1477 | 1404 |
| 6558-31 | SØ3 | 48 | 6 | P1 | 1097 | 1042 | 6558-64 | SØ6 | 117 | 46 | P2 | 1477 | 1404 |
| 6558-32 | SØ3 | 68 | 7 | P4 | 1097 | 1042 | 6558-65 | SØ6 | 167 | 51 | P6 | 1850 | 1757 |
| 6558-33 | SØ3 | 118 | 10 | P4 | 1477 | 1404 | 6558-81 | SØ8 | 46 | 46 | P5 | 1097 | 1042 |
| 6558-41 | SØ4 | 48 | 37 | P2 | 1097 | 1042 | 6558-82 | SØ8 | 66 | 54 | P3 | 1097 | 1042 |
| 6558-42 | SØ4 | 68 | 57 | P2 | 1097 | 1042 | 6558-83 | SØ8 | 116 | 105 | P3 | 1477 | 1404 |
| 6558-43 | SØ4 | 118 | 16 | P4 | 1477 | 1404 | 6558-84 | SØ8 | 166 | 51 | P6 | 1850 | 1757 |
| 6558-44 | SØ4 | 168 | 28 | P7 | 1850 | 1757 | 6558-101 | SØ10 | 45 | 34 | P3 | 1097 | 1042 |
| 6558-51 | SØ5 | 47 | 36 | P3 | 1097 | 1042 | 6558-102 | SØ10 | 65 | 53 | P3 | 1097 | 1042 |
| 6558-52 | SØ5 | 67 | 56 | P2 | 1097 | 1042 | 6558-103 | SØ10 | 115 | 114 | P5 | 1477 | 1404 |
| 6558-53 | SØ5 | 117 | 106 | P2 | 1477 | 1404 | 6558-104 | SØ10 | 165 | 53 | P6 | 1850 | 1757 |

DIGITAL HORIZONTAL SCALES

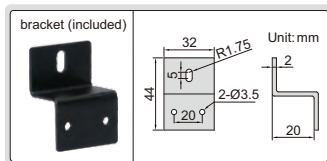
DATA OUTPUT



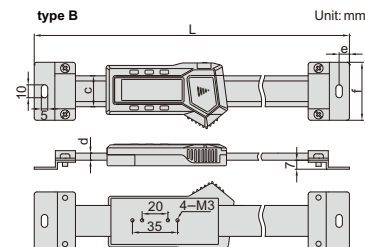
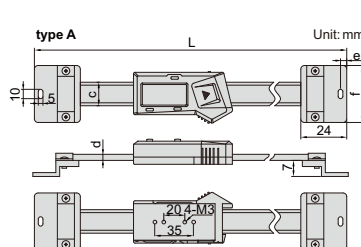
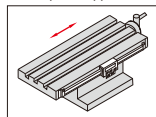
7101-300A



7101-400A



example of application

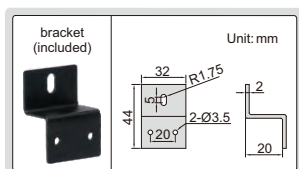


- Resolution: 0.01mm/0.0005"
- Buttons type A: on/off, zero, mm/inch, type B: on/off, zero, mm/inch, ABS, data preset
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Supplied with bracket to be mounted on the back

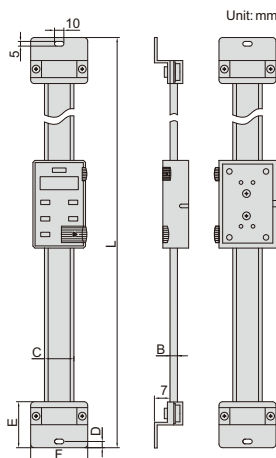
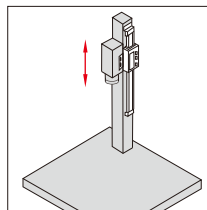
| Code | Range | Type | Accuracy | L | c | d | e | f | Data output cable (optional) | List Price (₹) | Promotion Price (₹) |
|------------|--------|------|----------|------|----|------|----|----|------------------------------|----------------|---------------------|
| 7101-100A | 100mm | A | ±0.02mm | 215 | 16 | 4 | 6 | 36 | 7315-21, 7302-21, 7305-21 | 4016 | 3668 |
| 7101-150A | 150mm | A | ±0.03mm | 265 | 16 | 4 | 6 | 36 | 7315-21, 7302-21, 7305-21 | 4755 | 4344 |
| 7101-200A | 200mm | A | ±0.03mm | 315 | 16 | 4 | 6 | 36 | 7315-21, 7302-21, 7305-21 | 6214 | 5677 |
| 7101-300A | 300mm | A | ±0.04mm | 445 | 16 | 4 | 6 | 36 | 7315-21, 7302-21, 7305-21 | 9214 | 8416 |
| 7101-400A | 400mm | B | ±0.05mm | 590 | 24 | 5.5 | 8 | 45 | 7315-22, 7302-22, 7305-22 | 12202 | 11147 |
| 7101-500A | 500mm | B | ±0.05mm | 690 | 24 | 5.5 | 8 | 45 | 7315-22, 7302-22, 7305-22 | 15549 | 14205 |
| 7101-600A | 600mm | B | ±0.08mm | 790 | 24 | 5.5 | 8 | 45 | 7315-22, 7302-22, 7305-22 | 19190 | 17530 |
| 7101-800A | 800mm | B | ±0.10mm | 990 | 24 | 5.5 | 8 | 45 | 7315-22, 7302-22, 7305-22 | 28883 | 26385 |
| 7101-1000A | 1000mm | B | ±0.10mm | 1240 | 31 | 10.5 | 10 | 60 | 7315-22, 7302-22, 7305-22 | 39625 | 36198 |

DIGITAL VERTICAL SCALES

DATA OUTPUT



example of application



- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, ABS/INC, data hold, TOL, set
- Battery LR44, data output
- Made of stainless steel
- Supplied with bracket to be mounted on the back
- Optional accessory:
 - wireless transmitter (code 7315-1150),
 - data output cable (code 7302-SPC7, keyboard format),
 - data output cable (code 7305-1150, serial port format)

| Code | Range | Accuracy | B | C | D | E | F | L | List Price (₹) | Promotion Price (₹) |
|-----------|------------|----------|------|----|-----|----|----|------|----------------|---------------------|
| 7102-100 | 100mm/4" | ±0.02mm | 4 | 20 | 6 | 24 | 40 | 245 | 5675 | 4937 |
| 7102-150 | 150mm/6" | ±0.03mm | 4 | 20 | 6 | 24 | 40 | 296 | 6879 | 5847 |
| 7102-200 | 200mm/8" | ±0.03mm | 4 | 20 | 6 | 24 | 40 | 345 | 7501 | 6376 |
| 7102-300 | 300mm/12" | ±0.04mm | 4 | 20 | 6 | 24 | 40 | 445 | 10669 | 9069 |
| 7102-400 | 400mm/16" | ±0.05mm | 4 | 20 | 6 | 24 | 40 | 545 | 14046 | 11939 |
| 7102-500 | 500mm/20" | ±0.05mm | 5.5 | 24 | 8 | 32 | 45 | 685 | 17689 | 15036 |
| 7102-600 | 600mm/24" | ±0.08mm | 5.5 | 24 | 8 | 32 | 45 | 785 | 21941 | 18650 |
| 7102-800 | 800mm/32" | ±0.10mm | 5.5 | 24 | 8 | 32 | 45 | 985 | 30000 | 25500 |
| 7102-1000 | 1000mm/40" | ±0.10mm | 10.5 | 31 | 9.5 | 40 | 60 | 1245 | 43389 | 36881 |



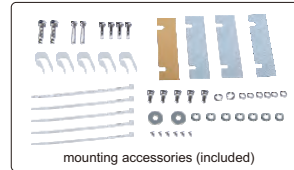
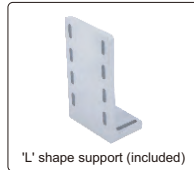
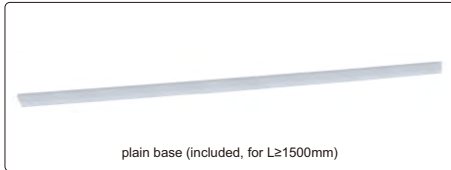
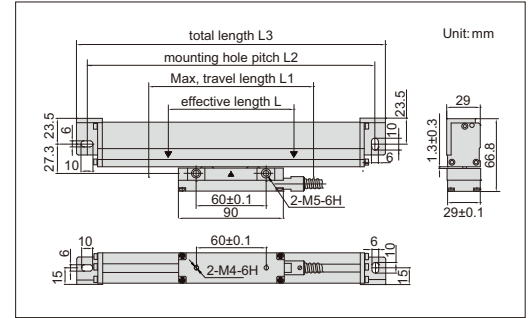
7102-300

LINEAR SCALES (TTL SIGNAL)



ISL-B5-300

Series ISL-B5



SPECIFICATION

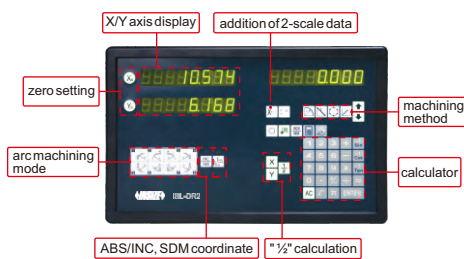
| Code | Series ISL-B5 | |
|-----------------------------|---------------------------------------------------------------|---------------------|
| L1 (mm) | L+30(L<950) | L+50(L \geq 950) |
| L2 (mm) | L+136(L<950) | L+156(L \geq 950) |
| L3 (mm) | L+154(L<950) | L+174(L \geq 950) |
| Resolution | 5 μ m | |
| Max. response speed | 60m/min | |
| Scale grating pitch | 20 μ m | |
| Scale reference point pitch | 50mm | |
| Accuracy | $\pm(5+5L/1000)\mu$ m L is the effective length in mm | |
| Cable length | 3.5m (L: 50-950mm), 5m (L: 1000-1500mm), 10m (L: 1600-2000mm) | |
| Output signal | TTL | |
| Socket | 9PD | |
| Power supply | 5 \pm 0.5V | |

| Effective length (L) | Code | List Price (₹) | Promotion Price (₹) |
|----------------------|--------------------------|----------------|---------------------|
| | Thick type Series ISL-B5 | | |
| 100mm | ISL-B5-100 | 8995 | 8725 |
| 300mm | ISL-B5-300 | 8995 | 8725 |
| 500mm | ISL-B5-500 | 8995 | 8725 |
| 1000mm | ISL-B5-1000 | 16136 | 15652 |

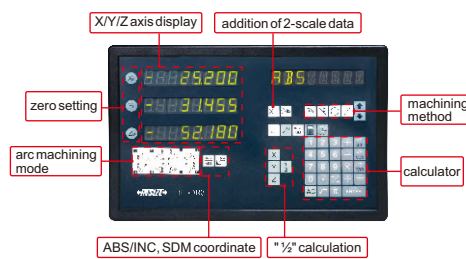
STANDARD DELIVERY

| | |
|----------------------|----------------------------|
| Main unit | 1 pc |
| 'L' shape support | 1 pc |
| Anti-dust cover | 1 pc |
| Plain base | 1 pc (for L \geq 1500mm) |
| Mounting accessories | 1 package |

DIGITAL READOUTS



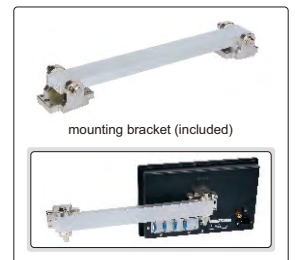
ISL-DR2



ISL-DR3



software CD (included)



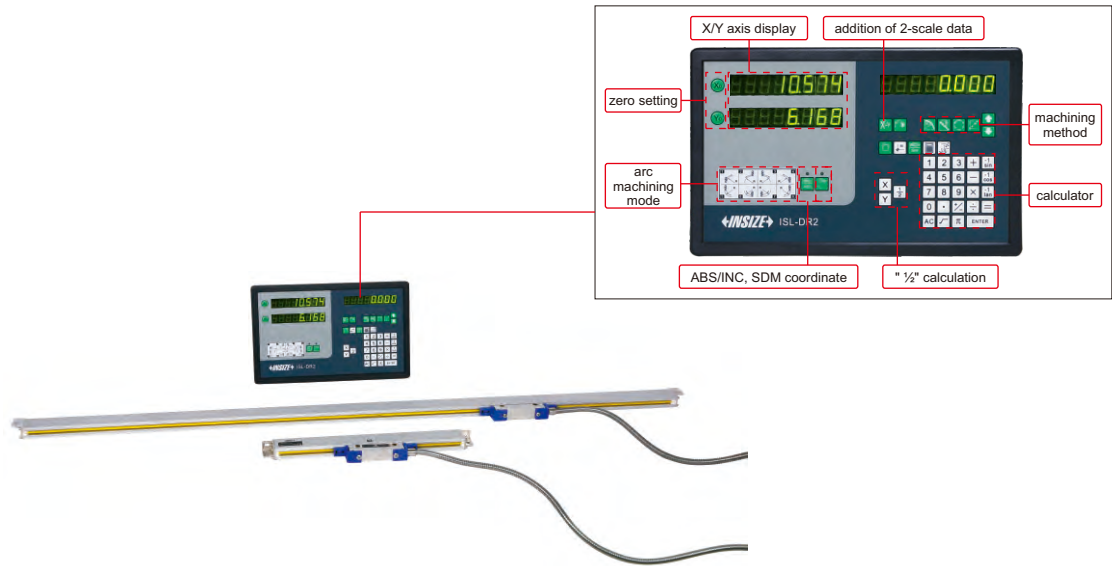
SPECIFICATION

| Code | ISL-DR2 | ISL-DR3 |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| List Price (₹) | 19140 | 23491 |
| Promotion Price (₹) | 17226 | 21142 |
| Application | two-axis | three-axis |
| Scale input ports | 2 | 3 |
| Resolution | 0.05 μ m, 0.1 μ m, 0.2 μ m, 0.5 μ m, 1 μ m, 2 μ m, 5 μ m, 10 μ m, 20 μ m, 50 μ m | |
| Functions | addition of 2-scale data, linearity error compensation, smoothing, RS232C interface unit, BCD code out, zero setting, preset, resolution setting, counting direction setting, inch/mm conversion, ABS/INC conversion, expansion/contraction coefficient setting, "1/2" calculation, detecting RI, bolt-hole circle machining, ramp circle machining | |
| Power supply | 110/220V, 50/60Hz | |
| Dimension | 295x185x45mm | |
| Weight | 1.45kg | |

STANDARD DELIVERY

| | |
|------------------------|------|
| Main unit | 1 pc |
| Mounting bracket | 1 pc |
| Ground cable | 1 pc |
| RS232C cable | 1 pc |
| Software CD for RS232C | 1 pc |

LINEAR SCALE AND READOUT SET FOR LATHE CODE ISL-SET1



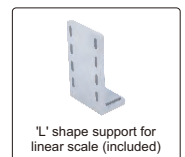
READOUT SPECIFICATION

| | |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| List Price (₹) | 61236 |
| Promotion Price (₹) | 55501 |
| Application | two-axis |
| Scale input ports | 2 |
| Resolution | 1µm |
| Functions | addition of 2-scale data, linearity error compensation, smoothing, RS232C interface unit, BCD code out, zero setting, preset, resolution setting, counting direction setting, inch/mm conversion, ABS/INC conversion, expansion/contraction coefficient setting, "1/2" calculation, detecting RI, bolt-hole circle machining, ramp circle machining |
| Power supply | 110/220V, 50/60Hz |
| Dimension | 295×185×45mm |
| Weight | 1.45kg |



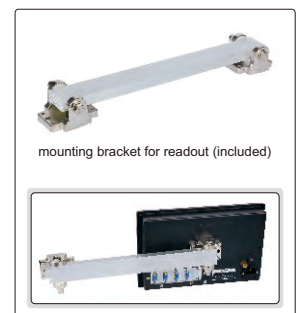
LINEAR SCALE SPECIFICATION

| | |
|-----------------------------|---------------------------------------------------|
| X-axis | 200mm |
| Y-axis | 1000mm |
| Max. response speed | 50m/min |
| Scale grating pitch | 20µm |
| Scale reference point pitch | 50mm |
| Accuracy | ±(5+5L/1000)µm L is the effective length in mm |
| Cable length | 200mm scale: 3.5m, 1000mm scale: 5m |



STANDARD DELIVERY

| | |
|---------------------------------------|-----------|
| Readout box | 1 pc |
| 200mm linear scale | 1 pc |
| 1000mm linear scale | 1 pc |
| Mounting bracket for readout | 1 pc |
| Ground cable for readout | 1 pc |
| RS232C cable for readout | 1 pc |
| Software CD for RS232C of readout | 1 pc |
| "L" shape support for linear scale | 1 pc |
| Anti-dust cover for linear scale | 1 pc |
| Mounting accessories for linear scale | 1 package |



ROUGHNESS TESTER CODE ISR-C002

CAN BE OPERATED BY
MOBILE PHONES OR COMPUTERS

BLUETOOTH

DATA
OUTPUT

- Roughness tester can be operated by mobile phones (only Android system) or computers
- Data can be sent to Excel by connecting to computers via bluetooth or SPC cable
- Support bluetooth printer
- 21 roughness parameters
- Display roughness value, profile and curve
- Memory of maximum 100 results
- Automatic power off



software CD (included)



| | |
|---------------------|--------|
| List Price (₹) | 118330 |
| Promotion Price (₹) | 93212 |

probe cover (included)



adjustable stand (included)



bluetooth printer (optional)



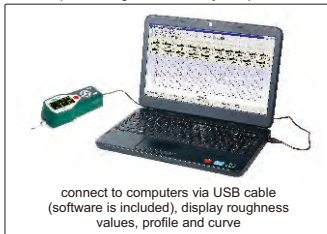
light duty test stand (optional)



heavy duty test stand (optional)



operate roughness tester by computers



operate roughness tester by mobile phones



Unit: mm

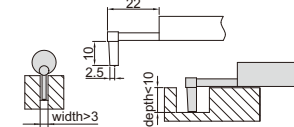
extension rod (optional), code ISR-C002-ER



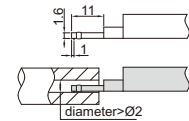
transverse rod (optional), code ISR-C002-TR



deep groove probe (optional), code ISR-C002-DGP

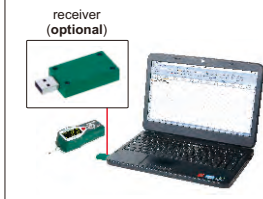


tiny hole probe (optional), code ISR-C002-SBP



data can be sent to Excel by connecting to computer via bluetooth or SPC cable

via bluetooth



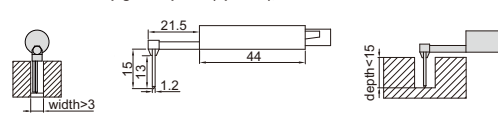
SPC cable (optional)



via SPC cable



deep groove probe (optional), code ISR-C002-DGP1



SPECIFICATION

| | | |
|-------------------|------------------------------------------------------------------------------------------------------------|-----------|
| Parameters | Ra, Rz, Rq, Rv, Rp, RS, R3z, R3y, Rt, Rz (JIS), Rk, Rku, Rsm, Rpc, Rpk, Rvk, Rsk, Mr1, Mr2, Ry (JIS), Rmax | |
| Range | 320µm (-160µm~160µm) | |
| Accuracy | ±10% | |
| Resolution (Ra) | 0.001µm | |
| Probe | type | inductive |
| | stylus radius/angle | 5µm/90° |
| | stylus material | diamond |
| Measuring force | 4mN | |
| Measuring unit | µm/µin | |
| Cut off | 0.25/0.8/2.5mm | |
| Number of cut-off | 1 to 5 | |
| Moving speed | 0.5mm/s, 1mm/s | |
| Memory | 100 measurement results | |
| Output | bluetooth and USB | |
| Power | built-in rechargeable battery | |
| Dimension (L×W×H) | 141×55×40mm | |
| Weight | 400g | |

STANDARD DELIVERY

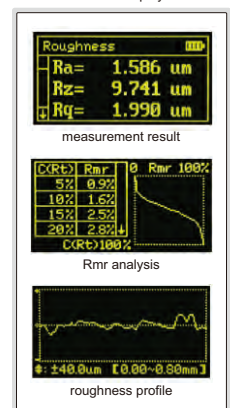
| | |
|-------------------------------|--------------|
| Main unit | 1 pc |
| Standard probe | 1 pc |
| Calibration block and support | 1 pc of each |
| Adjustable stand | 1 pc |
| Probe cover | 1 pc |
| Software and USB cable | 1 pc |
| AC/DC adapter | 1 pc |

OPTIONAL ACCESSORY

| | |
|-----------------------|-------------------|
| Extension rod | ISR-C002-ER |
| Transverse rod | ISR-C002-TR |
| Tiny hole probe | ISR-C002-SBP |
| Deep groove probe | ISR-C002-DGP |
| Deep groove probe | ISR-C002-DGP1* |
| Light duty test stand | ISR-C002-STAND1 |
| Heavy duty test stand | ISR-C002-STAND |
| Bluetooth printer | ISR-C002-PRINTER |
| Receiver | ISR-C300-RECEIVER |
| SPC cable | ISR-C300-SPC |

*Need to be delivered with roughness tester ISR-C002

screen display



ROUGHNESS TESTER (SEPARABLE TYPE) CODE ISR-C300

CAN BE OPERATED BY
MOBILE PHONES OR COMPUTERS

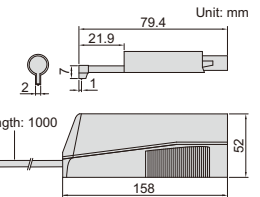
TOUCH SCREEN

- Roughness tester can be operated by mobile phone (only Android system) or computers
- Data can be sent to Excel by connecting to computers via bluetooth or SPC cable
- Support bluetooth printer
- 22 roughness parameters
- Meet ISO, DIN, ANSI, JIS standards
- Display roughness values, profile and curve
- Memory of maximum 100 data and waveform
- Built-in lithium battery, working time more than 50 hours
- Touch screen
- Automatic power off



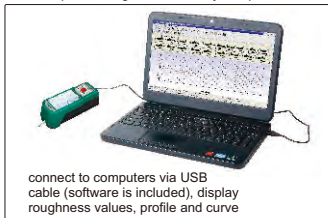
BLUETOOTH

DATA
OUTPUT



| | |
|---------------------|--------|
| List Price (₹) | 133702 |
| Promotion Price (₹) | 111775 |

operate roughness tester by computers



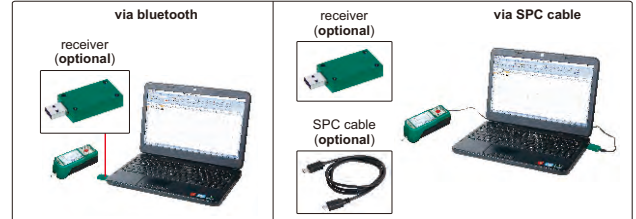
connect to computers via USB cable (software is included), display roughness values, profile and curve

operate roughness tester by mobile phones



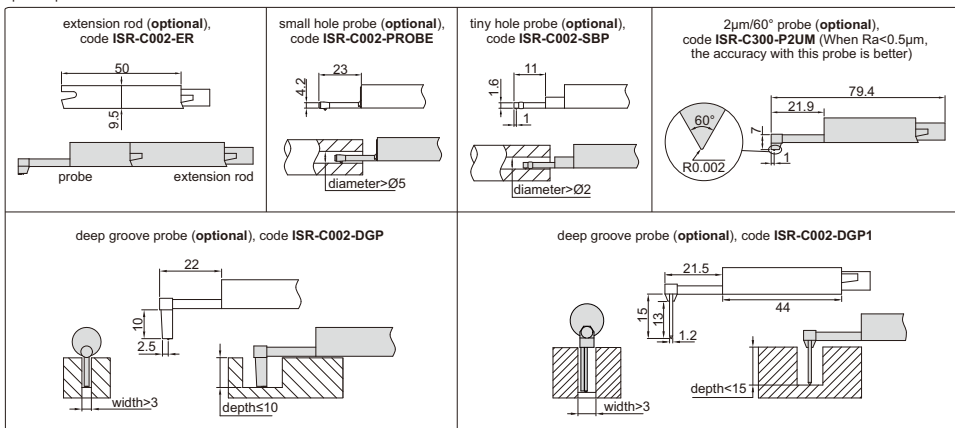
connect to mobile phones via bluetooth (only Android system), display roughness values, profile and curve

data can be sent to Excel by connecting to computer via bluetooth or SPC cable

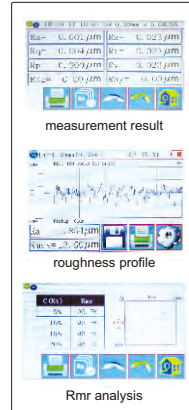


optional probes

Unit: mm



roughness tester screen display



software CD (included)



probe and main unit can be combined together



SPECIFICATION

| | | |
|---------------------------|---------------------|----------------------------------------------------------------------------------------------------------|
| Parameters | | Ra, Rz, Rq, Rv, Rp, Rs, R3z, R3y, Rt, Rc, Rz (JIS), Rk, Rku, Rsm, Rpc, Rpk, Rvk, Rsk, Mr1, Mr2, Ry, Rmax |
| Range | X axis | 17.5mm |
| | Z axis | 320µm (-160µm~160µm) |
| Accuracy | | ±10% |
| Resolution (Ra) | | 0.001µm |
| Probe | type | inductive |
| | stylus radius/angle | 5µm/90° |
| | stylus material | diamond |
| Measuring force | | 4mN |
| Measuring unit | | µm/µin |
| Cut off | | 0.25/0.8/2.5mm |
| Number of cut-offs | | 1~5 |
| Moving speed | | 0.135mm/s, 0.5mm/s, 1mm/s |
| Memory | | 100 measurement results |
| Output | | bluetooth and USB |
| Power | | built-in rechargeable battery |
| Dimension (L×W×H) | | 158×64×52mm |
| Weight | | 400g |

magnetic stand adapter (included)



height gage adapter (optional)



light duty test stand (optional)



heavy duty test stand (optional)



NOTE: Please check whether the adapter can fit your height gages. When using INSIZE height gages, please use the dial test indicator holder of height gages

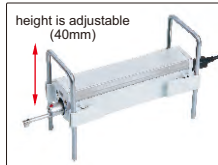
To be continued

Continued from previous page

bluetooth printer (optional)



adjustable stand (included)



STANDARD DELIVERY

| | |
|-----------------------------------|--------------|
| Main unit | 1 pc |
| Standard probe | 1 pc |
| Calibration block and support | 1 pc of each |
| Connecting cable (long and short) | 1 pc of each |
| Magnetic stand adapter | 1 pc |
| Adjustable stand | 1 pc |
| Touch pen | 1 pc |
| Software and USB cable | 1 pc |
| AC/DC adapter | 1 pc |

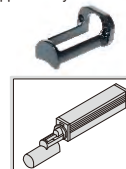
OPTIONAL ACCESSORY

| | |
|---------------------------------|-------------------|
| Extension rod | ISR-C002-ER |
| Small hole probe | ISR-C002-PROBE |
| Tiny hole probe | ISR-C002-SBP |
| Deep groove probe | ISR-C002-DGP |
| Deep groove probe | ISR-C002-DGP1* |
| 2µm/60° probe | ISR-C300-P2UM |
| Bluetooth printer | ISR-C002-PRINTER |
| Height gage adapter | ISR-C300-LB1 |
| Receiver | ISR-C300-RECEIVER |
| SPC cable | ISR-C300-SPC |
| Support for flat surface | ISR-C300-COVER1 |
| Support for cylindrical surface | ISR-C300-COVER2 |
| Light duty test stand | ISR-C002-STAND1 |
| Heavy duty test stand | ISR-C002-STAND |

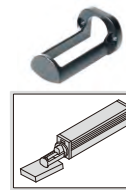
*Need to be delivered with roughness tester **ISR-C300**

probe support (optional)

support for cylindrical surface



support for flat surface



**ROUGHNESS TESTER (BASIC TYPE)
CODE ISR-C003**

ATTENTION: THIS ROUGHNESS TESTER IS NOT SUITABLE FOR ROUGH TURNING, MILLING AND PLANING WORKPIECES

- Unit: µm, µin
- Automatic power off

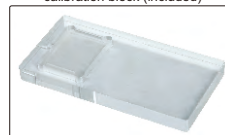


SPECIFICATION

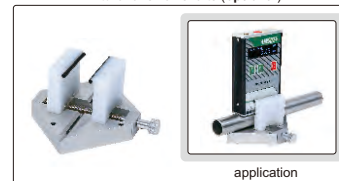
| | | |
|---------------------|-----------------------------------------------------------------------------|---------------|
| List Price (₹) | 88996 | |
| Promotion Price (₹) | 76130 | |
| Parameters | Ra, Rz, Rq, Rt | |
| Range | Ra, Rq: 0.05~15µm Rz, Rt: 0.1~50µm | |
| Accuracy | ±10% | |
| Resolution (Ra) | 0.01µm | |
| Probe | type | piezoelectric |
| | stylus radius/angle | 10µm/90° |
| | stylus material | diamond |
| Measuring force | 5mN | |
| Measuring unit | µm/µin | |
| Cut off | 0.25/0.8/2.5mm | |
| Evaluation length | 1.25mm for cut off 0.25mm 4mm for cut off 0.8mm 5mm for cut off 2.5mm | |
| Moving speed | 0.75mm/s | |
| Power | built-in rechargeable battery | |
| Dimension (L×W×H) | 106×70×24mm | |
| Weight | 200g | |



calibration block (included)



fixture for small shafts (optional)



STANDARD DELIVERY

| | |
|-------------------|------|
| Main unit | 1 pc |
| Calibration block | 1 pc |
| AC/DC adapter | 1 pc |

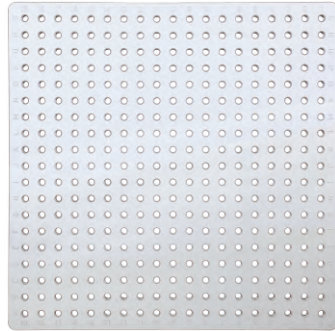
OPTIONAL ACCESSORY

| | |
|--------------------------|------------------|
| Fixture for small shafts | ISR-C003-FIXTURE |
|--------------------------|------------------|

JIG SET FOR CMM CODE ISY-600



acrylic tray (included)

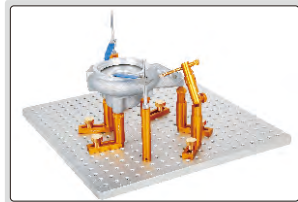


ISY-600



VIDEO

application example



| | |
|---------------------|--------|
| List Price (₹) | 127964 |
| Promotion Price (₹) | 115168 |

| Product | Code | Size (mm) | Quantity |
|--------------------------------|----------------|-----------|----------|
| stand | ISY-600-80001 | Ø12×50 | 6 |
| | ISY-600-80002 | Ø12×30 | 6 |
| | ISY-600-80007 | Ø12×20 | 6 |
| stand | ISY-600-80003 | Ø16×50 | 6 |
| | ISY-600-80004 | Ø16×30 | 6 |
| | ISY-600-80008 | Ø16×20 | 6 |
| stand | ISY-600-80005 | Ø20×50 | 6 |
| | ISY-600-80006 | Ø20×30 | 6 |
| | ISY-600-80009 | Ø20×20 | 6 |
| spring stand | ISY-600-800010 | — | 2 |
| universal support with damping | ISY-600-800012 | — | 2 |
| stand with fine adjustment | ISY-600-800013 | Ø20×55-78 | 2 |

| Product | Code | Size (mm) | Quantity |
|---------------------------------------|----------------|-------------------------------------|----------|
| magnetic stand (magnetic top surface) | ISY-600-800014 | Ø20×20 | 4 |
| stand for slice parts | ISY-600-800015 | Ø20×20 | 2 |
| adaptor | ISY-600-800016 | Ø20×15 | 6 |
| clamping screw for base plate | ISY-600-800017 | — | 2 |
| V shaped support | ISY-600-800018 | Ø20×25 | 2 |
| clamping screw | ISY-600-800019 | — | 6 |
| sliding support plate | ISY-600-800020 | 68×20×10 | 6 |
| clip | ISY-600-800021 | 12×70 | 5 |
| chuck support | ISY-600-800022 | — | 2 |
| clip stand | ISY-600-800023 | Ø6×80 | 2 |
| | ISY-600-800024 | Ø6×40 | 3 |
| aluminum support head | ISY-600-800025 | — | 3 |
| nylon support head | ISY-600-800026 | — | 3 |
| wrench | ISY-600-800027 | Ø8×48 | 2 |
| base plate | ISY-600-800028 | 400×400×15 hole size: M8×1.25 | 1 |

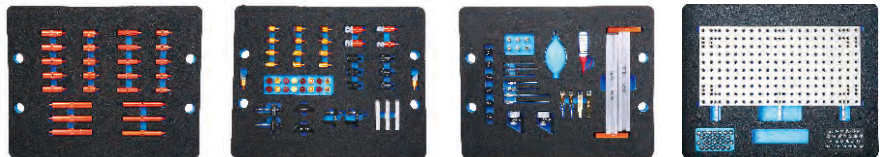
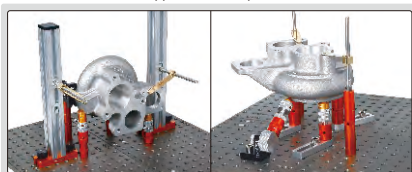
JIG SET FOR CMM CODE ISY-100



VIDEO

| | |
|---------------------|--------|
| List Price (₹) | 178890 |
| Promotion Price (₹) | 143112 |

application examples



ISY-100








To be continued

Continued from previous page

| Product | Code | Size (mm) | Quantity | Application |
|-----------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
|  | ISY-100-1001 | Ø16×30 | 5 |  |
| | ISY-100-1002 | Ø16×50 | 5 | |
| | ISY-100-1003 | Ø16×100 | 3 | |
|  | ISY-100-1004 | Ø20×30 | 5 | |
| | ISY-100-1005 | Ø20×50 | 5 | |
| | ISY-100-1006 | Ø20×100 | 3 | |
| stand with fine adjustment | ISY-100-2001 | Ø16×45~60 | 2 | height adjustment: 45~60mm |
| stand with fine adjustment | ISY-100-2003 | Ø20×45~60 | 2 | |
| horizontal spring stand | ISY-100-4001 | — | 2 | |
| horizontal screw stand | ISY-100-5001 | — | 2 | |
| magnetic stand (magnetic top surface) | ISY-100-7001 | Ø20×25 | 3 | |
| stand for slice parts | ISY-100-8001 | Ø20×25 | 2 | ISY-100-8001 and ISY-100-8002 use cooperatively |
| clamping stand for slice parts | ISY-100-8002 | | 1 | |
| clip | ISY-100-1201 | — | 2 | |
| clip | ISY-100-1301 | — | 2 | |
| clip stand | ISY-100-1401 | Ø6×60 | 2 |  |
| | ISY-100-1402 | Ø6×100 | 2 | |
| vertical square column | ISY-100-3003 | 30×30×250 | 2 | |
| sliding support plate | ISY-100-1801 | 78×20×10 | 3 | |
| clamping screw | ISY-100-2301 | Ø8×20 | 6 | |
| screw | ISY-100-2302 | Ø8×20 | 6 | |
| base plate | ISY-600-400200 | 400×400×12 hole size: M8×1.25 hole center distance: 20 | 2 pieces | — |

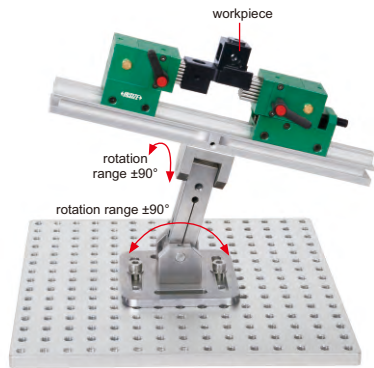
| Product | Code | Size (mm) | Quantity | Application |
|------------------|---------------|-----------|----------|-------------------------------------------------------------------------------------|
| wrench | ISY-100-3701 | Ø3.8×70 | 1 | — |
| wrench | ISY-100-3801 | M2.5 | 1 | — |
| | ISY-100-3802 | M5 | 1 | — |
| | ISY-100-3803 | M6 | 1 | — |
| 45° stand | ISY-100-9001 | — | 2 |  |
| V shaped support | ISY-100-1901 | — | 2 |  |
| V shaped support | ISY-100-1902 | — | 2 |  |
| marker | ISY-6100-1501 | — | 52* |  |
| dust cleaner | ISY-100-3501 | — | 1 | — |
| lubricating oil | ISY-100-3601 | — | 1 | — |

* Letter A~Z, number 0~25

| Product | Code | Quantity | Material | Application |
|-------------------------------------------------------------------------------------|---------------|----------|----------|---------------------------------------------------------------------------------------|
|  | ISY-100-27016 | 2 | aluminum |  |
| | ISY-100-27018 | 2 | nylon | |
|  | ISY-100-27026 | 2 | aluminum | |
| | ISY-100-27028 | 2 | nylon | |
|  | ISY-100-27036 | 2 | aluminum | |
| | ISY-100-27038 | 2 | nylon | |
|  | ISY-100-27046 | 2 | aluminum | |
| | ISY-100-27048 | 2 | nylon | |
|  | ISY-100-27056 | 2 | aluminum | |
| | ISY-100-27058 | 2 | nylon | |
|  | ISY-100-27066 | 2 | aluminum | |
| | ISY-100-27068 | 2 | nylon | |
|  | ISY-100-27076 | 2 | aluminum | |
| | ISY-100-27078 | 2 | nylon | |

JIG FOR CMM (ANVIL Ø2.5mm)

CAN BE CUSTOMIZED



ISY-200



ISY-200-1



ISY-200-2



ISY-200-3



ISY-200-4



ISY-200-5



ISY-200-6

| | |
|---------------------|--------|
| List Price (₹) | 168918 |
| Promotion Price (₹) | 152026 |

| Code | Product | Remark |
|---------|---------|-------------------------------------------------------------------------------------------------------------|
| ISY-200 | jig set | Including 1pc ISY-200-1, 1 pc ISY-200-2, 1 pc ISY-200-3, 1 pc ISY-200-4, 1 pc ISY-200-5 and 2 pcs ISY-200-6 |

| Code | Product | Size (mm) | Anvil area (mm) | Anvil stroke (mm) |
|-----------|----------------------------------------|-----------|-----------------|-------------------|
| ISY-200-1 | spring anvil | 60×40×57 | 20.5×23 | 14 |
| ISY-200-2 | adjustable spring anvil (range 0-20mm) | 70×40×57 | 20.5×23 | 14 |

| Code | Product | Size (mm) |
|-----------|--------------------------|-------------|
| ISY-200-4 | guide | 300×40×27 |
| ISY-200-5 | two-way adjustable stand | 110×110×142 |
| ISY-200-6 | clamp handle | — |

| Code | Product | Size (mm) | Hole size (mm) |
|-----------|------------|------------|----------------|
| ISY-200-3 | base plate | 300×300×12 | M8 |

TOOL PRESETTER (BASIC TYPE) CODE TLP-300H



standard rod (included)



BT50/BT40 converter (optional)



BT50/BT30 converter (optional)

- Absolute linear scales, zero setting is not needed after power on and off



SPECIFICATION

| | |
|--------------------------------|-------------------|
| List Price (₹) | 467543 |
| Promotion Price (₹) | 427856 |
| Maximum tool diameter (X axis) | Ø300mm |
| Height measuring range | 60~300mm |
| Repeatability | 0.005mm |
| Measuring accuracy | 0.02mm |
| Linear scale resolution | 0.005mm |
| Dial indicator graduation | 0.01mm |
| Spindle holder | BT50 |
| Power supply | 110/220V, 50/60HZ |
| Dimension (L×W×H) | 600x365x690mm |
| Weight | 68kg |

STANDARD DELIVERY

| | |
|---------------------|-------|
| Main unit | 1 pc |
| BT50 spindle holder | 1 pc |
| Standard rod | 1 pc |
| Dial indicator | 2 pcs |
| Wrench | 1 set |
| Anti-dust cover | 1 pc |

OPTIONAL ACCESSORY

| | |
|---------------------|-------------|
| BT50/BT30 converter | TLP-300H-C1 |
| BT50/BT40 converter | TLP-300H-C2 |



PROFILE PROJECTOR CODE ISP-Z3015

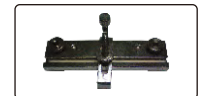
**INSPECTION
CERTIFICATE**



OPTIONAL ACCESSORY



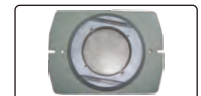
lens



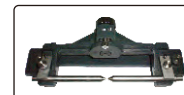
holder with clamp



demo sample



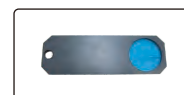
rotary table
(glass plate diameter 100mm)



swivel center support



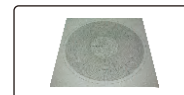
V-block with clamp



blue filter



50mm reading scale
(check magnification accuracy)



overlay chart
(protractor with 1° graduation,
radius with 1mm increment)



300mm calibration scale
(check magnification accuracy
together with 50mm reading
scale or calibrate
measuring accuracy)

SPECIFICATION

| | | | | | |
|------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|-----------------|
| List Price (₹) | | ON REQUEST | | | |
| Promotion Price (₹) | | ON REQUEST | | | |
| Lens | magnification | 10X (included) | 20X (optional) | 50X (optional) | 100X (optional) |
| | view field | Ø30mm | Ø15mm | Ø6mm | Ø3mm |
| | working distance | 77.7mm | 44.3mm | 38.4mm | 25.3mm |
| Max. workpiece height | | 90mm | 90mm | 90mm | 90mm |
| Magnification accuracy | | ±0.08% | | | |
| Image | | erect image | | | |
| Projector screen | | diameter: Ø300mm | | | |
| | | rotation range: 0°~360°, resolution: 1" or 0.01° | | | |
| | | reference lines: cross-hairs | | | |
| Stage | metal stage size | 340×152mm | | | |
| | glass stage size | 196×96mm | | | |
| | X-Y stage travel | range: 150×50mm | | | |
| | | resolution: 0.5µm | | | |
| | Z (focus) travel range | accuracy: (4+L/25)µm L is the measuring length in mm | | | |
| max. load capacity | 90mm | | | | |
| Illumination | | contour illumination: 24V/150W halogen lamp, brightness is adjustable | | | |
| | | surface illumination: 24V/150W halogen lamp | | | |
| Data processing unit | display | X-Y stage travel, screen rotation | | | |
| | output | RS232C | | | |
| Data processing unit | function | <input type="checkbox"/> measure coordinate of point <input type="checkbox"/> measure coordinate of line <input type="checkbox"/> measure center coordinate, radius of circle with three points <input type="checkbox"/> measure distance between two objects <input type="checkbox"/> measure angle with four points or two lines <input type="checkbox"/> set origin of coordinate <input type="checkbox"/> coordinate transform <input type="checkbox"/> set midpoint of coordinate | | | |
| | | Power supply | | | |
| | | 110/220V, 50/60Hz | | | |
| | | Dimension (L×W×H) | | | |
| | | 550×770×1100mm | | | |
| | | Weight | | | |
| | | 135kg | | | |

STANDARD DELIVERY

| | |
|---------------------------------------------------------------------|-------|
| Main unit | 1 pc |
| 10X lens with half-reflection mirror and oblique illuminator mirror | 1 pc |
| Overlay chart clip | 4 pcs |
| Foot-switch | 1 pc |
| Anti-dust cover | 1 pc |

OPTIONAL ACCESSORY

| | |
|---------------------------------------------------------------------|--------------------|
| 20X lens with half-reflection mirror and oblique illuminator mirror | ISP-Z3015-LENS20X |
| 50X lens with half-reflection mirror | ISP-Z3015-LENS50X |
| 100X lens with half-reflection mirror | ISP-Z3015-LENS100X |
| Rotary table | ISP-Z3015-TABLE |
| Overlay chart | ISP-Z3015-CHART |
| Holder with clamp | ISP-Z3015-HOLDER |
| Swivel center support | ISP-Z3015-SUPPORT |
| V-block with clamp | ISP-Z3015-VBLOCK |
| 50mm reading scale | ISP-Z3015-SCALE50 |
| 300mm calibration scale | ISP-Z3015-RULE |
| Blue filter | ISP-Z3015-FILTER |
| Demo sample | ISP-Z3015-DEMO |

QUICK MEASUREMENT SYSTEM (WITHOUT STITCHING) CODE QMS-A110



- One or more workpieces can be measured by one step operation
- Place workpieces at any position
- Focus and measure automatically



SPECIFICATION

| | | |
|---------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| List Price (₹) | ON REQUEST | |
| Promotion Price (₹) | ON REQUEST | |
| Optical lens | low-distortion lens, single-field telecentric Ø100mm | |
| View field range | 100×80mm | |
| Measurement range (X×Y) | 98×78mm | |
| Measurement accuracy * | ±3µm | |
| Repeatability | ±1µm | |
| Max. weight of workpiece | 5kg | |
| Measurement time | <2s | |
| Measurement data | 2D measurement | |
| Power supply | 220V, 50Hz, 600W | |
| Illumination system | back light | telecentric illuminator, green light |
| | ring light | 4-zone circular white high light circular (directional) low-angle green light (electric) |
| | coaxial light (optional) | vertical illuminator, white light |
| Environmental requirement | temperature: 20°C±2°C, relative humidity: 30%~80%, vibration: <0.002g, less than 15Hz | |
| Dimension (L×W×H) | 580×235×790mm | |
| Weight | 40kg | |

* The optimum temperature is 20°C±1°C
Within 80×64mm, on focal position and environment temperature at 20°C±1°C

STANDARD DELIVERY

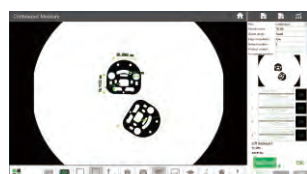
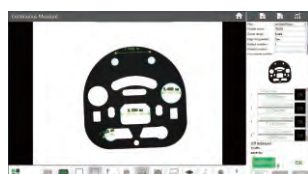
| | |
|-----------|------|
| Main unit | 1 pc |
| Computer | 1 pc |
| Software | 1 pc |

OPTIONAL ACCESSORY

| | |
|----------------------------------------|------------|
| Coaxial light illumination | QMS-23-A3 |
| Data transmission function of software | QMS-23-D1 |
| CAD import function of software | QMS-23-C1 |
| Foot-switch | QMS-43-FS1 |

Software (included)

- Automatically measure widths, holes, rings, angles at the same time, simple and efficient.
- Measuring result can be stored automatically. OK items and NG items can be counted automatically.

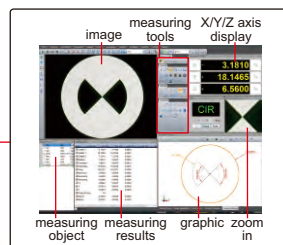


VISION MEASURING SYSTEMS



ISD-V250A

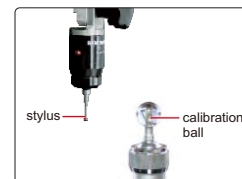
computer is included



lens with coaxial light (optional, must be installed in factory)

SPECIFICATION

| Code | ISD-V150A | ISD-V250A | ISD-V300A |
|---------------------------|--------------------------------------------------|---------------|---------------|
| List Price (₹) | ON REQUEST | ON REQUEST | ON REQUEST |
| Promotion Price (₹) | ON REQUEST | ON REQUEST | ON REQUEST |
| Measuring range (X×Y×Z) | 150×100×150mm | 250×150×150mm | 300×200×150mm |
| Stage size | 354×228mm | 450×280mm | 500×330mm |
| Glass stage size | 210×160mm | 306×196mm | 350×250mm |
| Resolution of X/Y/Z axis | 0.5µm | | |
| Accuracy of X/Y axis | ≤(3.5+L/100)µm (L is the measuring length in mm) | | |
| Repeatability of X/Y axis | 2µm | | |
| Objective | 0.7X~4.5X (zoom) | | |
| Working distance | 92mm | | |
| Magnification | 33X~195X (on 19" monitor) | | |
| Camera | 1/3" color CCD, 0.3M pixel | | |
| Illumination | surface and contour with adjustable LED | | |
| Max. height of workpiece | 150mm | | |
| Max. weight of workpiece | 20kg | | |
| Operation system | Windows 7/8/10 | | |
| Drive method | manual | | |
| Power supply | 110/220V, 50/60Hz | | |
| Dimension (L×W×H) | 560×540×850mm | 760×600×900mm | 760×600×900mm |
| Weight | 100kg | 120kg | 140kg |



probe (optional), includes Ø2mm and Ø3mm styli, Ø25mm calibration ball, measuring accuracy is 10µm

STANDARD DELIVERY

| | |
|-------------------------|------|
| Main unit | 1 pc |
| Computer | 1 pc |
| Calibration glass chart | 1 pc |
| Clay | 1 pc |
| Foot switch | 1 pc |
| Anti-dust cover | 1 pc |

OPTIONAL ACCESSORY

| | |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| 0.5X auxiliary objective | Code: ISD-V-OB05X Working distance: 175mm Magnification: 16.5~97.5X (on 19" monitor) |
| 2X auxiliary objective | Code: ISD-V-OB2X Working distance: 36mm Magnification: 66~390X (on 19" monitor) |
| Probe | Code: ISD-V-PROBE Includes Ø2mm and Ø3mm styli, Ø25mm calibration ball |
| Vision measuring system with coaxial light lens (with computer) | Code ISD-V150ACL, ISD-V250ACL, ISD-V300ACL |
| Office software | Code 7313-OFFICE |

SOFTWARE

- Operation system: Windows 7/8/10
- Language: English
- Single measuring tools:

- measure coordinate of point
- measure center coordinate and axis length of ellipse
- measure length of open curve
- measure distance of two elements

- measure center coordinate, diameter and area of circle
- measure length, width and area of rectangle
- measure length and area of closed curve

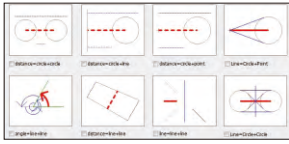
- measure distance between two points
- measure length, width and diameter of key slot
- measure angle of two lines

- measure length and diameter of arc
- measure width and diameter of ring
- measure focus distance of surface

To be continued

Continued from previous page

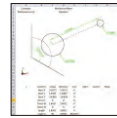
■ Measuring and element construct methods:



■ Export to CAD, EXCEL, WORD



CAD

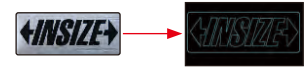


EXCEL



WORD

■ Profile detection:



■ Contour scanning:



■ Edge-detection:

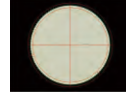
point tool



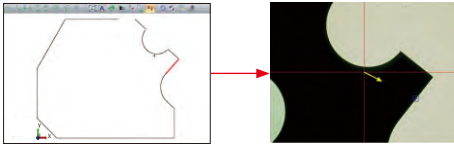
box tool



circle tool

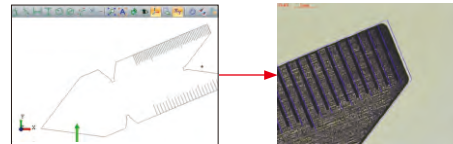


■ CAD measuring:



import CAD drawing, set the datum, establish coordinate system, then the software will automatically measure

■ CAD comparison:

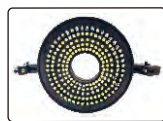


import CAD drawing, then compare with real-time image

CNC VISION MEASURING SYSTEM



lens with built-in coaxial light (included)



programmable segmented ring light (included)



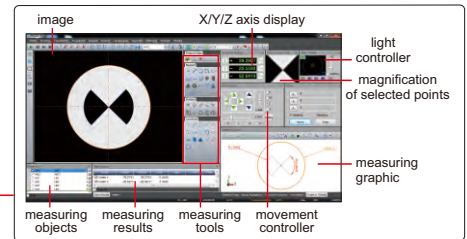
ISD-V220CNCA



controller



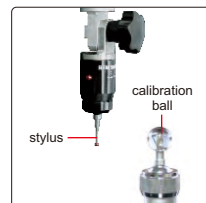
computer is included



- Automatic edge-detection, focus, measuring, contour scanning, calibration, etc.
- Servo motors for X, Y, Z axis
- SPC function for large quantity measurement
- Measuring software is included

STANDARD DELIVERY

| | |
|-------------------------|------|
| Main unit | 1 pc |
| Software | 1 pc |
| Computer | 1 pc |
| 24" display | 1 pc |
| Len with coaxial light | 1 pc |
| Controller | 1 pc |
| Calibration glass chart | 1 pc |
| Laser positioner | 1 pc |
| Clay | 1 pc |
| Anti-dust cover | 1 pc |



probe (optional), includes Ø2mm and Ø3mm styli, Ø25mm calibration ball, measuring accuracy is 10µm



laser probe (optional) measuring accuracy is 5µm

To be continued

Continued from previous page

SPECIFICATION

| | | |
|------------------------------|-----------------------------------------------------|--------------------------------------------------|
| Code (manual zoom lens) | ISD-V220CNCA | |
| List Price (₹) | ON REQUEST | |
| Promotion Price (₹) | ON REQUEST | |
| Measuring range (X×Y×Z) | 220×120×150mm | |
| Stage size | 450×280mm | |
| Glass stage size | 306×196mm | |
| Resolution of X/Y/Z axis | 0.5μm | |
| Accuracy of X/Y axis | ≤(2.5+L/100)μm (L is the measuring length in mm) | |
| Repeatability of X/Y axis | 2μm | |
| Objective | 0.7X~4.5X (zoom) | |
| Working distance | 92mm | |
| Magnification | 33.0X~208.6X (on 24" monitor) | |
| Camera | giga-bit network camera | |
| Illumination | surface | coaxial light, programmable segmented ring light |
| | contour | adjustable LED light |
| View field (diagonal length) | 1.5~10.8mm | |
| Max. height of workpiece | 150mm | |
| Max. weight of workpiece | 30kg | |
| Operation system | Windows 7/8/10 | |
| Drive method | automatic | |
| Power supply | 220V, 50/60Hz | |
| Dimension (L×W×H) | 760×600×900mm | |
| Weight | 146kg | |

OPTIONAL ACCESSORY

| | |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------|
| 0.5X auxiliary objective | Code: ISD-V-OB05X Working distance: 175mm Magnification: 16.5~104.3X (with manual zoom lens, on 24" monitor) |
| 2X auxiliary objective | Code: ISD-V-OB2X Working distance: 36mm Magnification: 66~417.2X (with manual zoom lens, on 24" monitor) |
| Probe | Code: ISD-V-PROBE Includes Ø2mm and Ø3mm styli, Ø25mm calibration ball |
| Laser probe | Code: ISD-V-LASER |
| Office software | Code: 7313-OFFICE |
| Desk | Code: ISD-V-DESK |

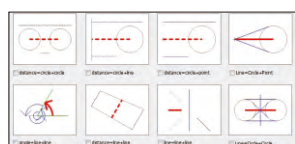


SOFTWARE

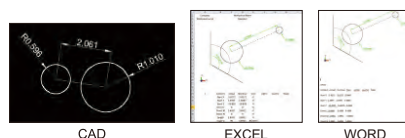
- Operation system: Windows 7/8/10
- Language: English
- Single measuring tools:

- | | | | |
|------------------------------------------------------|--------------------------------------------------------|------------------------------------------------|------------------------------------|
| measure coordinate of point | measure center coordinate, diameter and area of circle | measure distance between two points | measure length and diameter of arc |
| measure center coordinate and axis length of ellipse | measure length, width and area of rectangle | measure length, width and diameter of key slot | measure width and diameter of ring |
| measure length of open curve | measure length and area of closed curve | measure angle of two lines | measure focus distance of surface |
| measure distance of two elements | | | |

■ Measuring and element construct methods:



■ Export to CAD, EXCEL, WORD



■ Contour scanning:



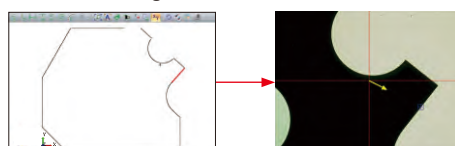
■ Profile detection:



■ Edge-detection:

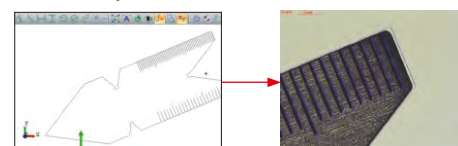


■ CAD measuring:



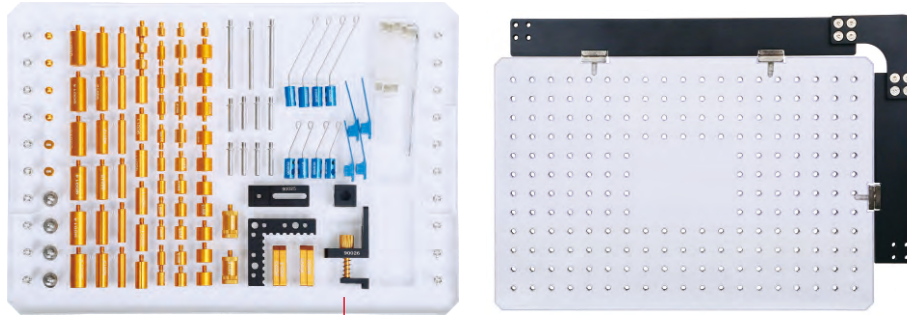
import CAD drawing, set the datum, establish coordinate system, then the software will automatically measure

■ CAD comparison:



import CAD drawing, then compare with real-time image

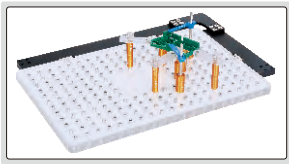
JIG SET FOR VISION MEASURING SYSTEMS CODE ISY-700





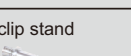
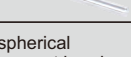



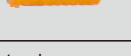

acrylic tray (included)

ISY-700

application example



| | |
|---------------------|--------|
| List Price (₹) | 137557 |
| Promotion Price (₹) | 123801 |

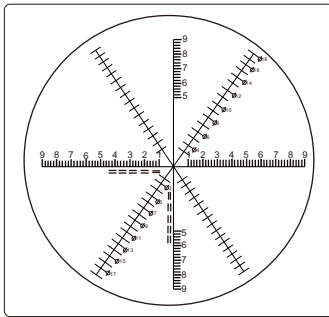
| Product | Code | Size (mm) | Quantity |
|----------------------------------------------------------------------------------------------------------------|---------------|-----------|----------|
|  clip | ISY-700-90001 | 7×34 | 4 |
|  clip | ISY-700-90002 | Ø1.5×24 | 4 |
| | ISY-700-90003 | Ø1.5×50 | 4 |
|  clip stand | ISY-700-90004 | Ø4×20 | 8 |
| | ISY-700-90005 | Ø4×46 | 3 |
|  spherical support head | ISY-700-90006 | — | 4 |
|  stand | ISY-700-90007 | Ø6×10 | 6 |
| | ISY-700-90008 | Ø6×25 | 6 |
| | ISY-700-90019 | Ø6×6 | 3 |
|  stand | ISY-700-90009 | Ø9×7 | 3 |
| | ISY-700-90010 | Ø9×10 | 6 |
| | ISY-700-90011 | Ø9×20 | 6 |
| | ISY-700-90012 | Ø9×25 | 6 |
|  stand | ISY-700-90013 | Ø12×10 | 6 |
| | ISY-700-90014 | Ø12×25 | 6 |
|  stand for slice parts | ISY-700-90015 | Ø6×10 | 4 |
| | ISY-700-90016 | Ø9×10 | 4 |
| | ISY-700-90017 | Ø12×10 | 4 |
|  stand with fine adjustment | ISY-700-90018 | Ø12×20~25 | 2 |

| Product | Code | Size (mm) | Quantity |
|--------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------|----------|
|  adapter for square support | ISY-700-90020 | — | 2 |
|  clamping screw | ISY-700-90021 | — | 4 |
|  L-shaped positioning plate | ISY-700-90022 | 50×50×6 | 1 |
|  sliding support plate | ISY-700-90023 | 30×12×5 | 4 |
|  square support | ISY-700-90024 | 20×16×16 | 1 |
|  base for square support | ISY-700-90025 | 45×16×6 | 1 |
|  spring stand | ISY-700-90026 | — | 1 |
|  acrylic sliding support plate | ISY-700-90028 | 45×12×5 | 8 |
|  wrench | ISY-700-90029 | M3 | 1 |
|  acrylic base plate | ISY-700-90030 | 300×200×12 hole size: M4×0.7 | 1 |

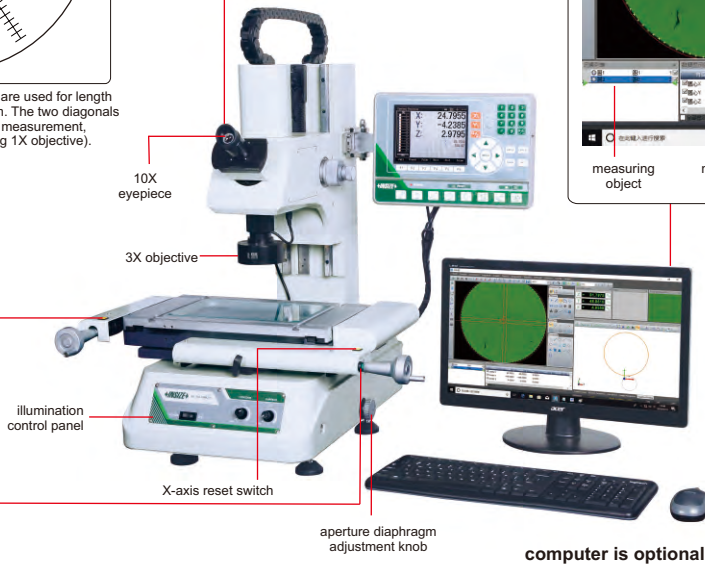
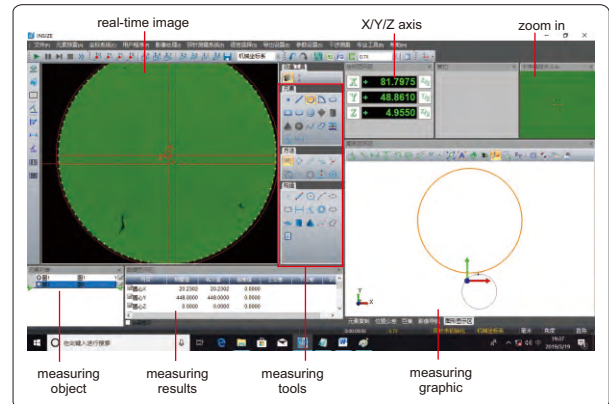


TOOLMAKER MICROSCOPE

10X dividing eyepiece



the horizontal and vertical scale lines are used for length measurement, the graduation is 0.2mm. The two diagonals scale lines are used for diameter measurement, the graduation is 1mm (when using 1X objective).



computer is optional

SPECIFICATION

| | |
|--------------------------|--------------------------------------------------|
| Code | ISD-VMM205D (monocular) |
| List Price (₹) | ON REQUEST |
| Promotion Price (₹) | ON REQUEST |
| X/Y axis travel | 150×100mm |
| Z axis travel | 150mm |
| Metal stage size | 354×228mm |
| Glass stage size | 210×160mm |
| Resolution of X/Y/Z axis | 0.5µm |
| Accuracy of X/Y axis | ≤(2.5+L/100)µm (L is the measuring length in mm) |
| Repeatability | 2µm |
| Camera | 1/3" color CCD, 0.3M pixel |
| Optical magnification | 30X (with 3X objective) |
| Image magnification | 114X (on 19" monitor) |
| Illumination | surface and contour with adjustable LED |
| Max. weight of workpiece | 25kg |
| Power supply | 100V~240V, 50/60Hz |
| Operation system | Windows 7/8/10 |
| Drive method | manual |
| Dimension (L×W×H) | 540×667×850mm |
| Weight | 100kg |

DATA PROCESSING UNIT

| Output | RS232 |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Function | <ul style="list-style-type: none"> simple measuring tools measure coordinate of points measure lines measure center coordinate, radius of circle with three points measure distances between two objects measure angles set origin of coordinate skew and calibrate the workpiece measure rectangle (including length, width, perimeter and center coordinate) measure thread (including thread diameter, screw pitch, screw angle) measure slot (including center coordinate, length, width) |

STANDARD DELIVERY

| | |
|-------------------------|------|
| Main unit | 1 pc |
| Video card with dongle | 1 pc |
| Software disc | 1 pc |
| Calibration glass chart | 1 pc |
| Demo sample | 1 pc |
| Foot switch | 1 pc |
| 3X objective | 1 pc |

OPTIONAL ACCESSORY

| | |
|---------------------------------------|--------------------------------|
| 1X objective | ISD-VMM-LENS1X |
| 5X objective | ISD-VMM-LENS5X |
| 10X objective | ISD-VMM-LENS10X |
| Toolmaker microscopes (with computer) | Code: ISD-VMM205DA (monocular) |

To be continued

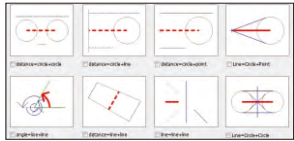
Continued from previous page

SOFTWARE

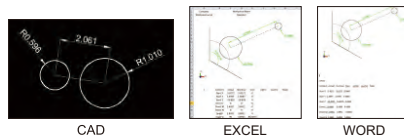
- **Operation system:** Windows 7/8/10
- **Language:** English
- **Single measuring tools:**

- | | | | |
|------------------------------------------------------|--------------------------------------------------------|------------------------------------------------|------------------------------------|
| measure coordinate of point | measure center coordinate, diameter and area of circle | measure distance between two points | measure length and diameter of arc |
| measure center coordinate and axis length of ellipse | measure length, width and area of rectangle | measure length, width and diameter of key slot | measure width and diameter of ring |
| measure length of open curve | measure length and area of closed curve | measure angle of two lines | measure focus distance of surface |
| measure distance of two elements | | | |

■ **Measuring and element construct methods:**



■ **Export to CAD, EXCEL, WORD**



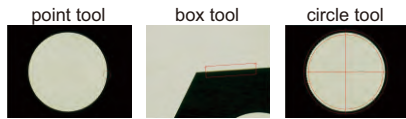
■ **Contour scanning:**



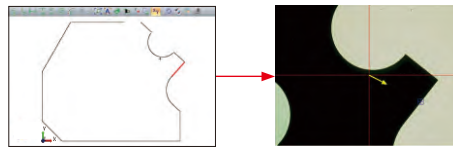
■ **Profile detection:**



■ **Edge-detection:**

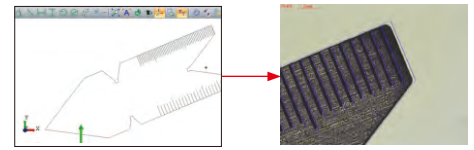


■ **CAD measuring:**



import CAD drawing, set the datum, establish coordinate system, then the software will automatically measure

■ **CAD comparison:**

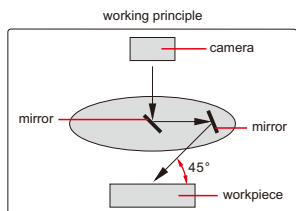


import CAD drawing, then compare with real-time image

**3D MANUAL ROTATION MICROSCOPE (WITH DISPLAY)
CODE 5313-S407**

SUITABLE TO CHECK CONVEX OBJECTS AND WALL OF HOLES

TAKE PICTURES AND VIDEOS

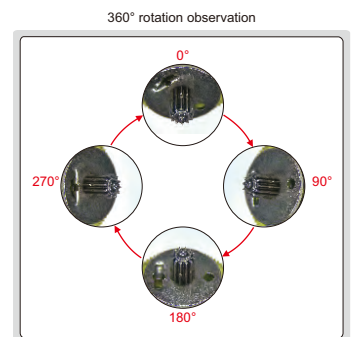


SPECIFICATION

| | |
|---------------------|------------------|
| List Price (₹) | 199214 |
| Promotion Price (₹) | 185269 |
| Magnification | 18X~120X |
| View field | 2.4×1.5mm~16×9mm |
| Focus distance | 20mm |
| View angle | 45° |
| Sensor | 1/2.8" CMOS |
| Pixel | 2M |
| Resolution | 1920×1080 |
| Frame rate | 60fps |
| Output | HDMI |
| Power supply | 220V, 50/60Hz |
| Dimension (L×W×H) | 570×300×430mm |
| Weight | 10kg |

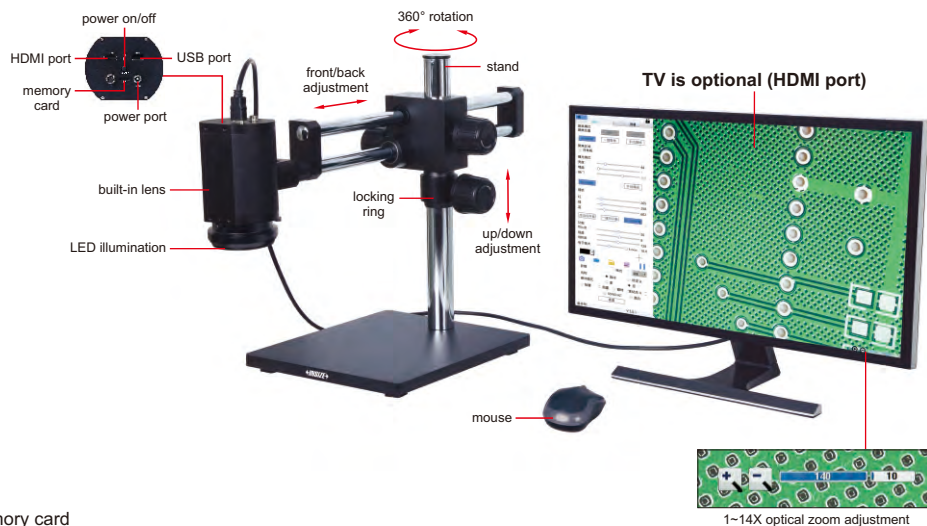
STANDARD DELIVERY

| | |
|--------------------|-------|
| Main unit | 1 pc |
| X-Y metal stage | 1 pc |
| 16G USB flash disk | 1 pc |
| White/black plate | 1 pc |
| Mouse | 1 pc |
| Power adapter | 2 pcs |



AUTO FOCUS DIGITAL MICROSCOPE (LARGE VIEW FIELD) CODE 5302-AF105

MEASUREMENT AUTO FOCUS TAKE PICTURES AND VIDEOS



- 1080P high-definition image
- Auto focus camera
- Take pictures and videos, saved to memory card
- Connected to TV by HDMI port
- Automatic exposure and white balance
- Brightness, contrast ratio, gain are adjustable
- Display cross hair (blue/green/red/yellow/black/brown colors)
- Built-in software without computer, operation by mouse

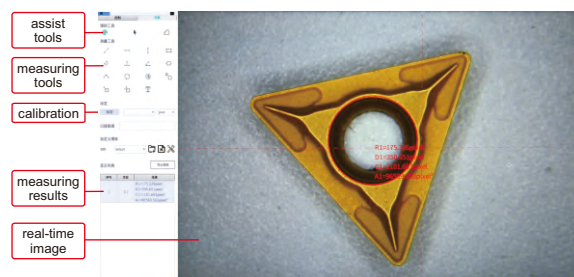
SPECIFICATION

| | |
|---------------------|------------------------|
| List Price (₹) | 158221 |
| Promotion Price (₹) | 143660 |
| Magnification | 1.8X~27.5X (on 28" TV) |
| Sensor | 1/2.8" CMOS |
| Pixel | 2M |
| Resolution | 1920×1080 |
| Frame rate | 60fps |
| Auto focus distance | 100mm~∞ |
| Output | HDMI |
| Power supply | power adapter |
| Dimension (L×W×H) | 500×280×410mm |
| Weight | 17kg |

STANDARD DELIVERY

| | |
|----------------------------|-------|
| Main unit (with stand) | 1 pc |
| LED illumination | 1 pc |
| 16G memory card and holder | 1 pc |
| Mouse | 1 pc |
| HDMI cable (for TV) | 1 pc |
| Power adapter | 2 pcs |

MEASURING SOFTWARE (INCLUDED)



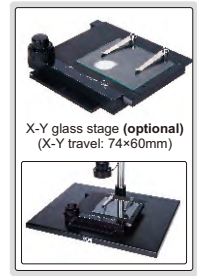
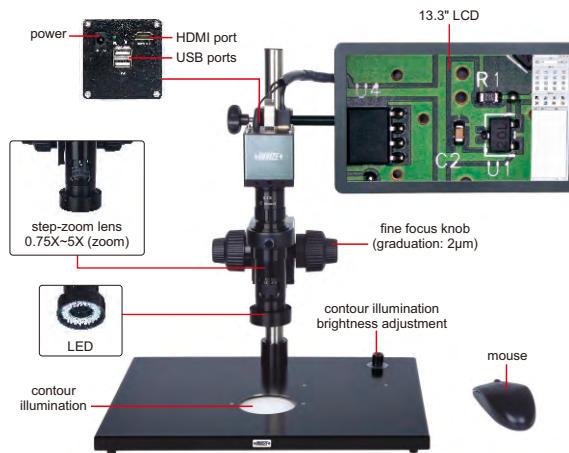
| Focus distance | Adjustable magnification (on 28" TV) | View field | Measuring accuracy |
|----------------|--------------------------------------|-----------------|--------------------|
| 100mm | 4.5~27.5X | 24×14~161×90mm | 0.02mm |
| 150mm | 3~21X | 30×17~240×128mm | 0.02mm |
| 200mm | 2.3~17.5X | 38×20~305×176mm | 0.02mm |
| 250mm | 2~15X | 42×24~320×210mm | 0.02mm |
| 270mm | 1.8~14.4X | 43×25~378×240mm | 0.02mm |

DIGITAL MEASURING MICROSCOPE (WITH DISPLAY)

MEASUREMENT

BUILT-IN SOFTWARE
WITHOUT COMPUTER

TAKE PICTURES



- 1080P high-definition image
- Built-in software without computer, operation by mouse
- Take pictures, saved to USB flash disk
- Measurement results can be output to Excel
- Automatic white balance and exposure
- Brightness, contrast ratio, gain are adjustable

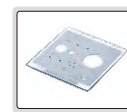
ISM-DL301 (with contour illumination)

SPECIFICATION

| | |
|---------------------|------------------------------------------|
| Code | ISM-DL301 (with contour illumination) |
| List Price (₹) | 182030 |
| Promotion Price (₹) | 157996 |
| Magnification | 15X~100X |
| Sensor | 1/2" CMOS |
| Pixel | 2M |
| Resolution | 1920×1080 |
| Frame rate | 60fps |
| Output | HDMI |
| Power supply | power adapter |
| Dimension (L×W×H) | 570×300×430mm |
| Weight | 6.5kg |



16G USB flash disk
(included)



calibration plate
(included)



1X auxiliary objective
(included)



0.5X camera adapter
(included)



1X camera adapter
(optional)



2X auxiliary objective
(optional)

STANDARD DELIVERY

| | |
|------------------------|-------|
| Main unit | 1 pc |
| 0.5X camera adapter | 1 pc |
| 1X auxiliary objective | 1 pc |
| Calibration plate | 1 pc |
| 16G USB flash disk | 1 pc |
| White/black plate | 1 pc |
| Mouse | 1 pc |
| HDMI cable | 1 pc |
| Power adapter | 3 pcs |

MAGNIFICATION AND MEASURING ACCURACY

| Objective magnification | Image magnification | Measuring accuracy |
|-------------------------|---------------------|--------------------|
| 0.75X | 15X | ±8µm |
| 1X | 20X | ±7µm |
| 1.5X | 30X | ±6µm |
| 2X | 40X | ±6µm |
| 2.5X | 50X | ±6µm |
| 3X | 60X | ±5µm |
| 3.5X | 70X | ±5µm |
| 4X | 80X | ±4µm |
| 4.5X | 90X | ±4µm |
| 5X | 100X | ±4µm |

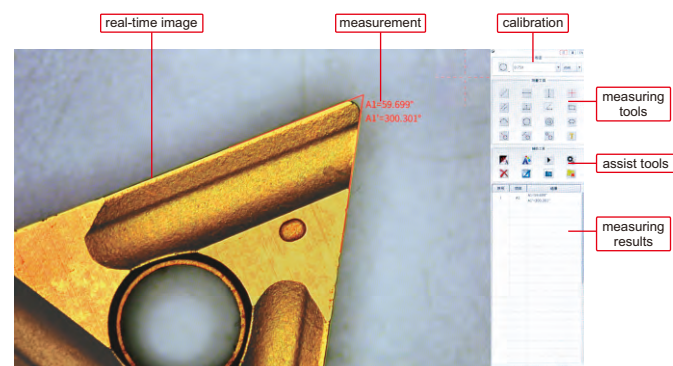
OPTIONAL ACCESSORY

| | |
|-----------------------------------|---------------|
| 1X camera adapter | ISM-DL-CA1X |
| 2X auxiliary objective | ISM-DL-OB2X |
| X-Y glass stage (travel: 74×60mm) | ISM-DL-STAGE |
| X-Y metal stage | ISM-DL-STAGE1 |
| LED light | see details |
| Auxiliary objective | see details |

MAGNIFICATION, FOCUS DISTANCE AND VIEW FIELD

| Auxiliary Objective | specification | Camera adapter | |
|---------------------|----------------|-------------------|-------------------|
| | | 0.5X (included) | 1X (optional) |
| 1X (included) | magnification | 15~100X | 30~200X |
| | focus distance | 70±2mm | 70±2mm |
| | view field | 16×11~2.5×1.6mm | 7.8×5.3~1.2×0.8mm |
| 2X (optional) | magnification | 30~200X | 60~400X |
| | focus distance | 29±2mm | 29±2mm |
| | view field | 7.8×5.3~1.2×0.8mm | 3.8×2.7~0.6×0.4mm |

SOFTWARE (INCLUDED)

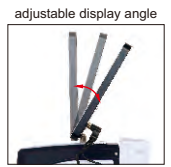


DIGITAL MEASURING MICROSCOPE (WITH DISPLAY) CODE 5307-ID100A

BUILT-IN SOFTWARE WITHOUT COMPUTER

ELECTRONIC MAGNIFICATION FEEDBACK LENS

- Electronic magnification feedback lens: when the objective lens magnification is changed manually, the software automatically selects the corresponding pre-calibration data and calibration is not needed
- Two methods of LED brightness adjustment, knob adjustment and software adjustment
- Built-in software without computer, operated by mouse
- Take pictures, save to USB flash disk
- Measuring results can be sent to Excel



SPECIFICATION

| | |
|----------------------|---------------------|
| List Price (₹) | 174846 |
| Promotion Price (₹) | 155644 |
| Sensor | 1/2" CMOS |
| Pixel | 2M |
| Resolution | 1920×1080 |
| Magnification | 12~77X |
| Focus distance | 100mm |
| View field | 2.7×1.9~17.5×11.9mm |
| Max workpiece height | 60mm |
| Frame rate | 60fps |
| Output | USB/HDMI |
| Power supply | power adapter |
| Dimension (L×W×H) | 610×610×660mm |
| Weight | 4.5kg |

STANDARD DELIVERY

| | |
|--------------------|------|
| Main unit | 1 pc |
| Calibration plate | 1 pc |
| Power adapter | 1 pc |
| Mouse | 1 pc |
| 16G USB flash disk | 1 pc |

OPTIONAL ACCESSORY

| | |
|---------------------------|--------------------|
| 0.5X auxiliary objective | 5307-ID100A-OB05X |
| 0.75X auxiliary objective | 5307-ID100A-OB075X |
| 2X auxiliary objective | 5307-ID100A-OB2X |

MAGNIFICATION AND MEASURING ACCURACY

| Objective magnification | Magnification | Measuring accuracy |
|-------------------------|---------------|--------------------|
| 0.7X | 12X | ±9μm |
| 1X | 17X | ±9μm |
| 1.5X | 26X | ±8μm |
| 2X | 35X | ±7μm |
| 2.5X | 43X | ±7μm |
| 3X | 51X | ±7μm |
| 3.5X | 60X | ±6μm |
| 4X | 68X | ±6μm |
| 4.5X | 77X | ±5μm |

DIGITAL MICROSCOPE



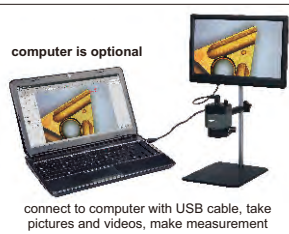
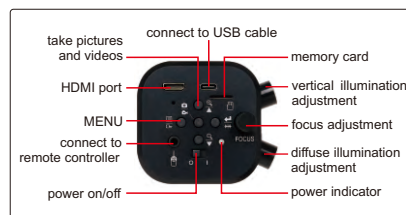
MEASUREMENT

TAKE PICTURES AND VIDEOS

- Independent control of vertical illumination and diffuse illumination
- Back focus adjustment extends working distance
- Take pictures and videos, save to memory card

SPECIFICATION

| | |
|---------------------|----------------------------------------------------|
| Code | 5309-DM50 |
| List Price (₹) | 75622 |
| Promotion Price (₹) | 71841 |
| Arm type | straight |
| Sensor | 1/2.8" CMOS |
| Pixel | 2M |
| Resolution | 1920×1080 |
| Exposure | real-time auto, single auto, manual adjustment |
| White balance | real-time auto, single auto, manual RGB adjustment |
| Record format | pictures: JPG videos: MOV |
| Record media | memory card |
| Working distance | 45~169mm |
| Magnification | 9~41X |
| View field | 7.6×4~38.5×21.7mm |
| Power supply | DC12V 3A |



STANDARD DELIVERY

| | |
|-------------------------------------------|------|
| Main unit | 1 pc |
| Memory card and holder | 1 pc |
| Plastic calibration rule (graduation 1mm) | 1 pc |
| White/black plate | 1 pc |
| Remote controller | 1 pc |
| USB cable | 1 pc |
| Measuring software | 1 pc |
| Power adapter | 1 pc |

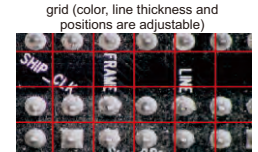
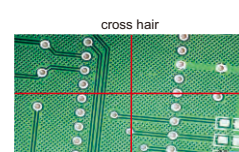
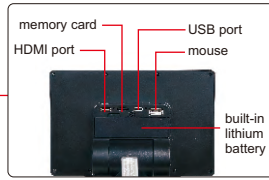
USE COMPUTERS, OPTIONAL

| Image magnification | View field | Measuring accuracy |
|---------------------|-------------|--------------------|
| 9.0X | 38.5×21.7mm | ±0.02mm |
| 13.0X | 26.6×15.0mm | ±0.02mm |
| 17.0X | 20.5×11.7mm | ±0.02mm |
| 22.0X | 16.0×9.0mm | ±0.02mm |
| 28.5X | 11.9×6.3mm | ±0.02mm |
| 34.0X | 9.8×5.5mm | ±0.01mm |
| 41.0X | 7.6×4.1mm | ±0.01mm |

MINI DIGITAL MICROSCOPE (ECONOMIC TYPE) CODE 5311-M710

TAKE PICTURES AND VIDEOS

BUILT-IN LITHIUM BATTERY



SPECIFICATION

| | |
|---------------------|-------------------------------------------|
| List Price (₹) | 28997 |
| Promotion Price (₹) | 26488 |
| Display resolution | 1024×600 |
| Sensor | 1/3" CMOS |
| Sensor resolution | 1280×960 |
| Single pixel size | 2µm×2µm |
| Frame rate | 60fps/30fps |
| Magnification | 1X~16X |
| White balance | auto/manual (10 levels RGB)/calibration |
| Exposure control | AE lock/exposure compensation (10 levels) |
| Image control | contrast/saturation/sharpness |
| Record media | memory card |
| Output | HDMI |
| Power supply | built-in lithium battery/power adapter |
| Dimension(L×W×H) | 174×200×350mm |
| Weight | 1.5kg |

SOFTWARE FOR COMPUTER (included)

- Language: Chinese (Simplified), English
- Operation system: Windows 7/8/8.1/10 (64bit)
- Port: USB2.0 or above
- Measuring accuracy: 0.02mm

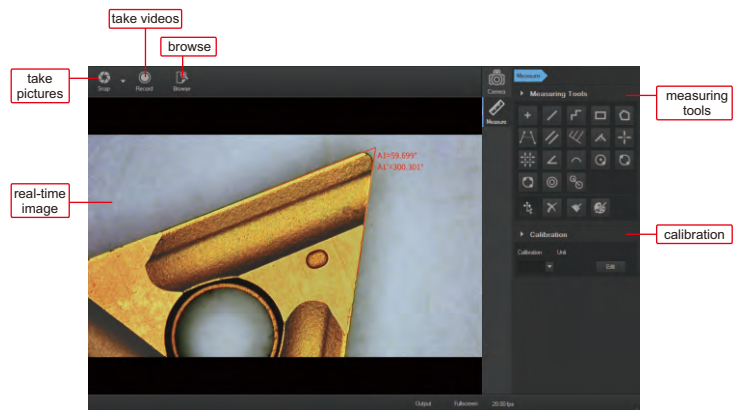
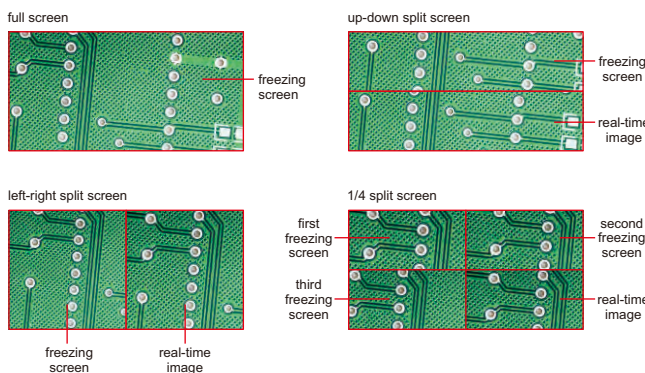
- point counting
- center distance of 2 circles
- straight line length
- radius of a circle
- continuous line length
- cross line
- area of a rectangle
- double cross line
- area of a polygon
- angle
- distance between 2 lines
- arc
- point-line distance
- distance between parallel lines
- distance between line and first parallel line
- center distance of concentric circle
- radius of a 2-point circle
- radius of a 3-point circle



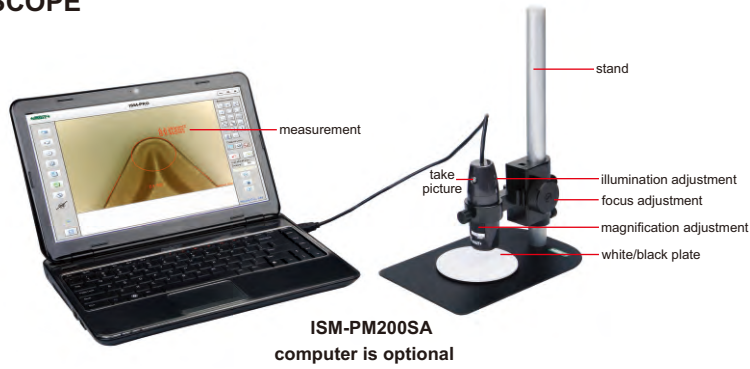
STANDARD DELIVERY

| | |
|---------------------------|------|
| Main unit | 1 pc |
| USB cable | 1 pc |
| HDMI cable | 1 pc |
| IR remote controller | 1 pc |
| 8G memory card and holder | 1 pc |
| Plastic calibration rule | 1 pc |
| Power adapter | 1 pc |

Screen freezing:



DIGITAL MEASURING MICROSCOPE



- Can take pictures and videos
- Supplied with software
- Calibration rules (graduation 0.1 and 1mm) are included
- With focus support

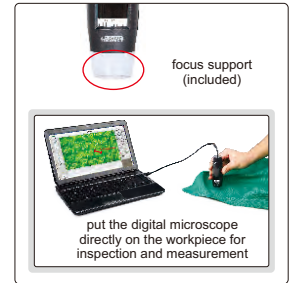
ISM-PM200SA
computer is optional

SPECIFICATION

| | |
|---------------------|------------------------------------------|
| Code | ISM-PM200SA |
| List Price (₹) | 21028 |
| Promotion Price (₹) | 15946 |
| Magnification | 10X~200X |
| Stand | standard |
| Pixel | 2M (resolution: 1600×1200) |
| Illumination | built-in adjustable LED |
| Power supply | USB 2.0 cable (voltage required: 5±0.1V) |



filter (optional)



focus support (included)

put the digital microscope directly on the workpiece for inspection and measurement

MAGNIFICATION, FOCUS DISTANCE, VIEW FIELD AND ACCURACY

| Magnification | Focus distance | View field (mm) | Accuracy |
|---------------|----------------|-----------------|----------|
| 50X | 21mm | 8.1×6.4 | 30μm |
| 100X | 13mm | 3.9×3.1 | 15μm |
| 150X | 16mm | 2.6×2.1 | 10μm |
| 200X | 19mm | 1.8×1.5 | 8μm |

OPTIONAL ACCESSORY

| | |
|---------------|---------------|
| Green filter | ISM-PM-GREEN |
| Yellow filter | ISM-PM-YELLOW |
| Blue filter | ISM-PM-BLUE |

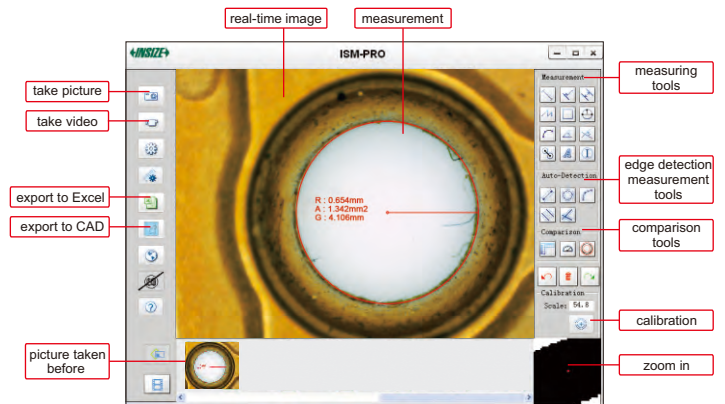
SOFTWARE

- **Language:** English, Japanese, Korean, German, Turkey, Portuguese, Chinese
- **Operation system:** Windows 7/8/XP/Vista
- **Measurement tools:**

- measure length of line or distance between two points
- measure distance between point and line
- measure distance between two parallel lines
- measure length of continuous line
- measure area of rectangle
- measure radius, girth and area of circle
- measure radius, length and angle of arc
- measure distance between two circles
- measure angle with three points
- measure angle with two lines
- add text
- add number with circle

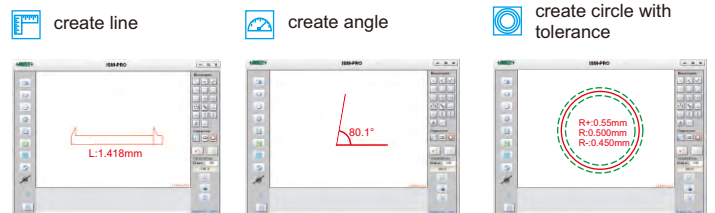
■ Edge detection measurement tools:

- detect line automatically, and calculate length
- detect arc automatically, and calculate radius, angle and arc length
- detect two lines automatically, and calculate angle
- detect circle automatically, and calculate radius, girth and area
- detect two parallel lines automatically, and calculate distance



■ Comparison tools:

Create line, angle or circle with desired size, to compare with workpieces.



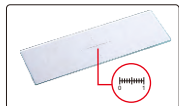
■ Data export to CAD or Excel:



WiFi DIGITAL MEASURING MICROSCOPE CODE ISM-WF200



plastic calibration rule
(graduation 1mm, included)

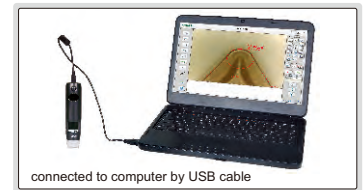
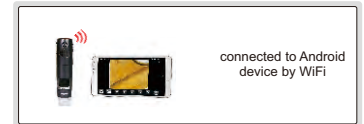


glass calibration rule
(graduation 0.1mm, included)



software CD
(included)

- Maximum working distance is 5m under WiFi mode
- Can be connected to multiple iPads, Android devices or computers at the same time under WiFi mode
- Take pictures and videos
- Supplied with software



SPECIFICATION

| | |
|---------------------|-------------------------------|
| List Price (₹) | 16690 |
| Promotion Price (₹) | 15577 |
| Magnification | 10X~200X |
| Pixel | 1.3M (resolution: 1280x1024) |
| Illumination | built-in adjustable LED |
| Power supply | built-in rechargeable battery |

STANDARD DELIVERY

| | |
|-------------------------------------------|------|
| Microscope | 1 pc |
| Focus support ring for 80X/150X | 1 pc |
| Focus support ring for 60X/200X | 1 pc |
| Glass calibration rule (graduation 0.1mm) | 1 pc |
| Plastic calibration rule (graduation 1mm) | 1 pc |
| Software and USB cable | 1 pc |
| AC/DC adapter | 1 pc |

stand (code
ISM-PM-STAND, optional)



filter (optional)



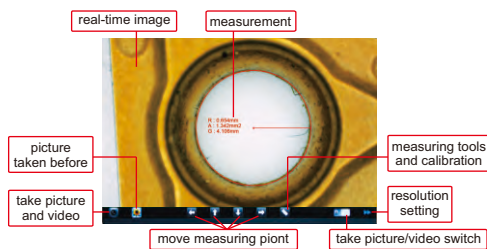
OPTIONAL ACCESSORY

| | |
|---------------|---------------|
| Stand | ISM-PM-STAND |
| Green filter | ISM-PM-GREEN |
| Yellow filter | ISM-PM-YELLOW |
| Blue filter | ISM-PM-BLUE |

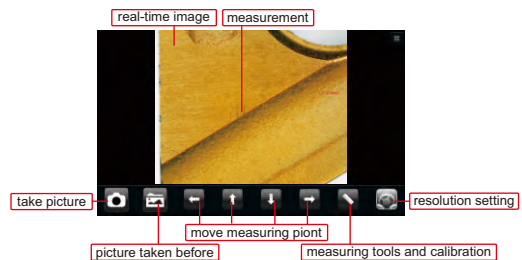
MAGNIFICATION, FOCUS DISTANCE, VIEW FIELD AND ACCURACY

| Magnification | Focus distance | View field | Accuracy |
|---------------|----------------|------------|----------|
| 50X | 21mm | 8.1×6.4mm | 30μm |
| 100X | 13mm | 3.9×3.1mm | 15μm |
| 150X | 16mm | 2.6×2.1mm | 10μm |
| 200X | 19mm | 1.8×1.5mm | 8μm |

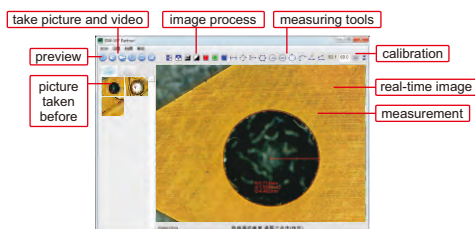
1 Software ISM-PAD (for iPad by WiFi)



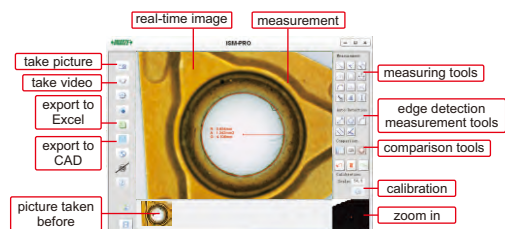
2 Software ISM-APK (for Android devices by WiFi)



3 Software ISM-WF Partner (for computer by WiFi)



4 Software ISM-PRO (for computer by USB cable)



METALLURGICAL MICROSCOPE



- Infinite optical system, polarization observation
- Kohler illumination system provides uniform illumination field
- Objectives 50X, 100X are spring type

SPECIFICATION

| | | | | |
|--------------------------------------|-----------------------------------------------|--------|--------|--------|
| Code | 5103-M1000 (bright field objectives) | | | |
| List Price (₹) | 215344 | | | |
| Promotion Price (₹) | 208884 | | | |
| Illumination | 6V/30W halogen lamp, brightness is adjustable | | | |
| Objective (infinite plan achromatic) | bright field objectives | | | |
| | 10X | 20X | 50X | 100X |
| Working distance | 20.2mm | 8.80mm | 3.68mm | 0.40mm |
| Numerical aperture | 0.25 | 0.40 | 0.70 | 0.85 |
| Magnification | 100X~1000X | | | |
| Eyeiece (wide field) | 10X (view field: Ø22mm) | | | |
| Stage | double layer | | | |
| | size: 242×200mm | | | |
| | travel: 30×30mm | | | |
| Pupil distance | 53~75mm | | | |
| Diopter adjustment | ±5 diopter (one eyepiece) | | | |
| Power supply | 220V, 50/60Hz | | | |
| Dimension (L×W×H) | 614×250×394mm | | | |
| Weight | 13kg | | | |



5103-M1000

STANDARD DELIVERY

| | |
|------------------------|--------------|
| Main unit | 1 pc |
| Polarizer and analyzer | 1 pc of each |
| Anti-dust cover | 1 pc |

OPTIONAL ACCESSORY

| | | |
|------------------------------------|----------------|--------------|
| Bright field objective | PL5X | 5101-M-OB5X |
| | PL40X | 5101-M-OB40X |
| | PL60X | 5101-M-OB60X |
| | PL80X | 5101-M-OB80X |
| 10X dividing eyepiece (0.1mm/div.) | 5103-M-EPD10X | |
| Camera adapter * | 5101-M-ADAPTER | |
| Digital camera | ISM-CM63 | |

*Digital camera must be used with camera adapter

ZOOM STEREO MICROSCOPE (ADVANCED TYPE)

LARGE ZOOM RATIO

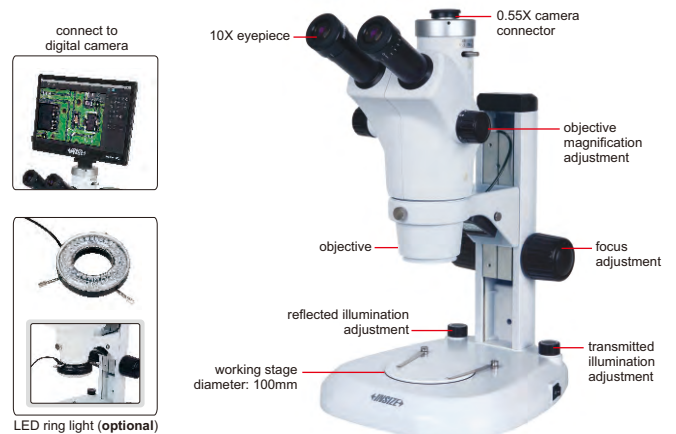


SPECIFICATION

| | |
|-------------------------------|------------------------------------------------|
| Code | ISM-ZS100T |
| List Price (₹) | 120639 |
| Promotion Price (₹) | 117020 |
| Optical tube | trinocular |
| Eyeiece (wide field) | 10X (view field: Ø23mm) |
| Objective | 0.6X~5X (zoom) |
| Zoom ratio | 1:8.3 |
| Pupil distance | 55~75mm |
| Diopter adjustment | ±5 diopter (two eyepieces) |
| Working distance of objective | 115mm |
| Max. workpiece height | 75mm |
| Illumination | adjustable reflected and transmitted LED light |
| Power supply | 110/220V, 50/60HZ |
| Dimension (L×W×H) | 260×310×490mm |
| Weight | 4.9kg |

STANDARD DELIVERY

| | |
|------------------------------|-------|
| Main unit | 1 pc |
| Digital camera adapter 0.55X | 1 pc |
| WF10X eyepiece | 2 pcs |
| Ø100mm glass plate | 1 pc |
| Ø100mm white/black plate | 1 pc |
| Anti-dust cover | 1 pc |



ISM-ZS100T

OPTIONAL ACCESSORY

| | | |
|--------------------------------|--------------------------------|-------------------|
| Auxiliary objective | 0.5X (focus distance: 220mm) | ISM-ZS100-OB05X * |
| | 0.7X (focus distance: 125mm) | ISM-ZS100-OB07X |
| | 2X (focus distance: 45mm) | ISM-ZS100-OB2X |
| | WF15X (view field: Ø16mm) | ISM-ZS100-EP15X |
| Eyepiece | WF20X (view field: Ø12mm) | ISM-ZS100-EP20X |
| | WF30X (view field: Ø8mm) | ISM-ZS100-EP30X |
| Sleeve for auxiliary objective | ISM-ZS30-ADAPTER | |
| LED ring light | ISM-ZSRL | |
| Digital camera adapter 1X | ISM-ZS100-DA | |
| Digital camera | ISM-CM20, ISM-CM63, ISM-ZS70-S | |

*0.5X auxiliary objective must be used with ISM-ZS30-ADAPTER

ZOOM STEREO MICROSCOPE (STANDARD TYPE)

SPECIFICATION

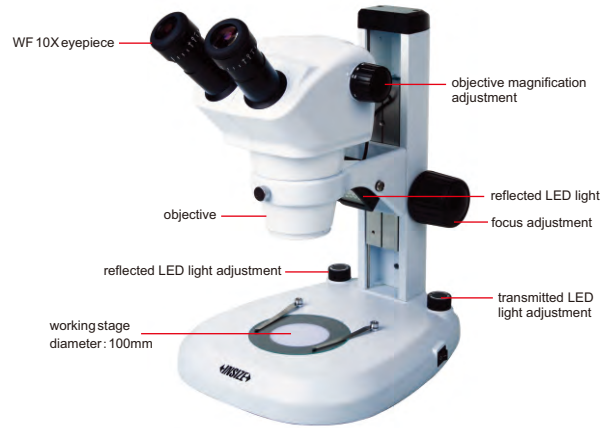
| | |
|-------------------------------|------------------------------------------------|
| Code | ISM-ZS50 |
| List Price (₹) | 82205 |
| Promotion Price (₹) | 67093 |
| Optical tube | binocular |
| Eyeiece (wide field) | 10X (view field: Ø22mm) |
| Objective | 0.8X~5X (zoom) |
| Zoom ratio | 1:6.3 |
| Pupil distance | 55-75mm (adjustable) |
| Diopter adjustment | ±5 diopter (two eyepieces) |
| Working distance of objective | 115mm |
| Max. workpiece height | 75mm |
| Illumination | adjustable reflected and transmitted LED light |
| Power supply | 110/220V, 50/60Hz |
| Dimension (L×W×H) | 290x260x480mm |
| Weight | 4.9kg |

STANDARD DELIVERY

| | |
|--------------------------|-------|
| Main unit | 1 pc |
| WF10X eyepiece | 2 pcs |
| Ø100mm glass plate | 1 pc |
| Ø100mm white/black plate | 1 pc |
| Anti-dust cover | 1 pc |



LED ring light (optional)



ISM-ZS50



OPTIONAL ACCESSORY

| | | |
|-------------------------------------|-----------------------------------------------|--------------------------------|
| Auxiliary objective | 0.5X | ISM-ZS50-OB05X* |
| | 2X | ISM-ZS50-OB2X |
| Eyepiece | 10X dividing eyepiece (graduation 0.1mm/div.) | ISM-ZS50-EPD10X |
| | WF15X (view field: Ø16mm) | ISM-ZS50-EP15X |
| | WF20X (view field: Ø12mm) | ISM-ZS50-EP20X |
| LED ring light | | ISM-ZS-RL |
| Sleeve for auxiliary objective | | ISM-ZS30-ADAPTER |
| Digital camera for ISM-ZS50T | | ISM-CM20, ISM-CM63, ISM-ZS70-S |
| Camera adapter 0.5X for ISM-ZS50T** | | ISM-MAS-ADAPTER |

* 0.5X auxiliary objective must be used with ISM-ZS30-ADAPTER

** Digital camera must be used with camera adapter 0.5X

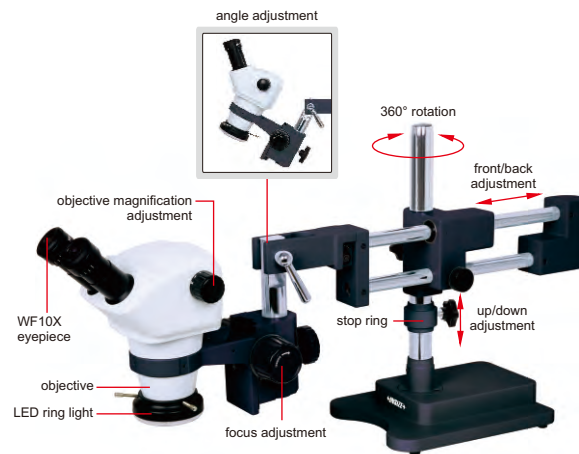
ZOOM STEREO MICROSCOPE (WITH UNIVERSAL STAND)

SPECIFICATION

| | |
|-------------------------------|-------------------------------------|
| Code | 5106-M50 |
| List Price (₹) | 94055 |
| Promotion Price (₹) | 82685 |
| Optical tube | binocular |
| Eyeiece (wide field) | 10X (view field: Ø22mm) |
| Objective | 0.8X~5X (zoom) |
| Zoom ratio | 1:6.3 |
| Pupil distance | 55~75mm |
| Diopter adjustment | ±5 diopter (two eyepieces) |
| Working distance of objective | 115mm |
| Max. workpiece height | 300mm |
| Illumination | adjustable reflected LED ring light |
| Power supply | power adapter |
| Dimension (L×W×H) | 790×230×430mm |
| Weight | 20kg |

STANDARD DELIVERY

| | |
|------------------------|-------|
| Main unit (with stand) | 1 pc |
| WF10X eyepiece | 2 pcs |
| LED ring light | 1 pc |
| Anti-dust cover | 1 pc |



5106-M50



OPTIONAL ACCESSORY

| | | |
|-------------------------------------|------------------------------------|--------------------|
| Auxiliary objective | 0.5X | ISM-ZS50-OB05X* |
| | 2X | ISM-ZS50-OB2X |
| Eyepiece | 10X dividing eyepiece (0.1mm/div.) | ISM-ZS50-EPD10X |
| | WF15X (view field: Ø16mm) | ISM-ZS50-EP15X |
| | WF20X (view field: Ø12mm) | ISM-ZS50-EP20X |
| Sleeve for auxiliary objective | | ISM-ZS30-ADAPTER |
| Digital camera for 5106-M50T | | ISM-CM20, ISM-CM63 |
| Camera adapter 0.5X for 5106-M50T** | | ISM-MAS-ADAPTER |

* 0.5X auxiliary objective must be used with ISM-ZS30-ADAPTER

** Digital camera must be used with camera adapter 0.5X

ZOOM STEREO MICROSCOPE (BASIC TYPE) CODE ISM-ZS30



LED ring light (optional)



VIDEO

SPECIFICATION

| | |
|-------------------------------|------------------------------------------------|
| List Price (₹) | 39808 |
| Promotion Price (₹) | 32490 |
| Optical tube | binocular |
| Eyepiece (wide field) | 10X (view field: Ø20mm) |
| Objective | 1X~4.5X (zoom) |
| Zoom ratio | 1:4.5 |
| Pupil distance | 55~75mm (adjustable) |
| Diopter adjustment | ±5 diopter (two eyepieces) |
| Working distance of objective | 97mm |
| Max. workpiece height | 60mm |
| Illumination | adjustable reflected and transmitted LED light |
| Power supply | 110/220V, 50/60Hz |
| Dimension (L×W×H) | 260×190×400mm |
| Weight | 4.3kg |

STANDARD DELIVERY

| | |
|-------------------------|-------|
| Main unit | 1 pc |
| WF10X eyepiece | 2 pcs |
| Ø95mm glass plate | 1 pc |
| Ø95mm white/black plate | 1 pc |
| Anti-dust cover | 1 pc |



OPTIONAL ACCESSORY

| | | |
|--------------------------------|-----------------------------------------------|------------------|
| Auxiliary objective | 0.5X | ISM-ZS30-OB05X * |
| | 0.63X | ISM-ZS30-OB06X * |
| | 0.75X | ISM-ZS30-OB07X * |
| | 2X | ISM-ZS30-OB2X |
| Eyepiece | 10X dividing eyepiece (graduation 0.1mm/div.) | ISM-ZS30-EPD10X |
| | WF15X (view field: Ø16mm) | ISM-ZS50-EP15X |
| | WF20X (view field: Ø12mm) | ISM-ZS50-EP20X |
| LED ring light | | ISM-ZS-RL |
| Sleeve for auxiliary objective | | ISM-ZS30-ADAPTER |
| Digital camera | | ISM-CM63 |
| Camera adapter 0.75X ** | | ISM-AD-0D75 |

* 0.5X, 0.63X and 0.75X auxiliary objectives must be used with ISM-ZS30-ADAPTER

** Digital camera must be used with camera adapter 0.75X

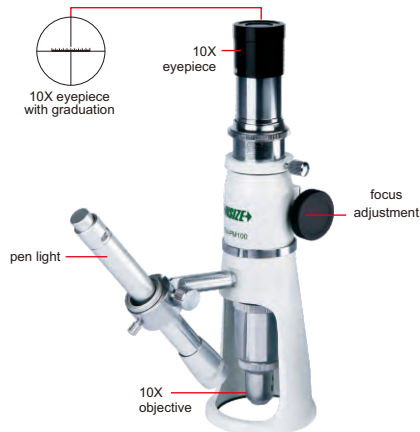
PORTABLE MEASURING MICROSCOPE

SPECIFICATION

| | |
|------------------------|--------------------------------|
| Code | ISM-PM100 |
| List Price (₹) | 9858 |
| Promotion Price (₹) | 9365 |
| Total magnification | 100X |
| Eyepiece | 10X with graduation |
| Objective (achromatic) | 10X (numerical aperture: 0.25) |
| Working distance | 7mm |
| Graduation | 0.01mm |
| Viewing field | Ø1.8mm |
| Focus range | 30mm |
| Illumination | LED light |
| Diameter of base | Ø63mm |
| Height | 210mm |
| Weight | 650g |

STANDARD DELIVERY

| | |
|---------------|-------|
| Main unit | 1 pc |
| Pen light | 1 pc |
| Battery (AAA) | 2 pcs |



ISM-PM100

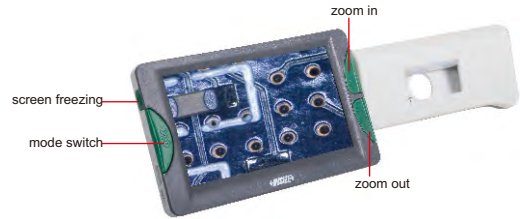
DIGITAL MAGNIFIER CODE 7525-D4



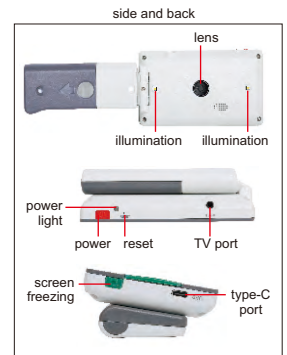
- 720P60 camera
- Auto focus
- With screen freezing function
- 26 color modes can be switched to meet the needs of different people
- Port to TV
- Automatic shutdown after 3 minutes

SPECIFICATION

| | |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| List Price (₹) | 26786 |
| Promotion Price (₹) | 24108 |
| Screen size | 4.3 inch |
| Screen resolution | 480x272 |
| Magnification | 2X-32X |
| Pixel | 8M |
| Focus | manual/automatic |
| Color mode (26 modes) | color mode, color enhancement mode, negative mode, monochrome mode, black on white, white on black, blue on white, white on blue, yellow on black, black on yellow, yellow on blue, blue on yellow, green on white, white on green, orange on white, white on orange, red on black, black on red, orange on black, black on orange, yellow on green, green on yellow, red on white, white on red, yellow on white, white on yellow |
| Output | TV |
| Charging port | type-C |
| Lithium battery | 1600mAH (for 4 hours working) |
| Dimension (LxWxH) | 123x39x76mm (when the handle is folded) |
| Weight | 210g |



after the handle is folded, the magnifier can be directly placed on the object for observation



STANDARD DELIVERY

| | |
|--------------------|------|
| Main unit | 1 pc |
| Video output cable | 1 pc |
| USB charging cable | 1 pc |
| Power adapter | 1 pc |

TABLE MAGNIFIER WITH ILLUMINATION CODE 7517-3D

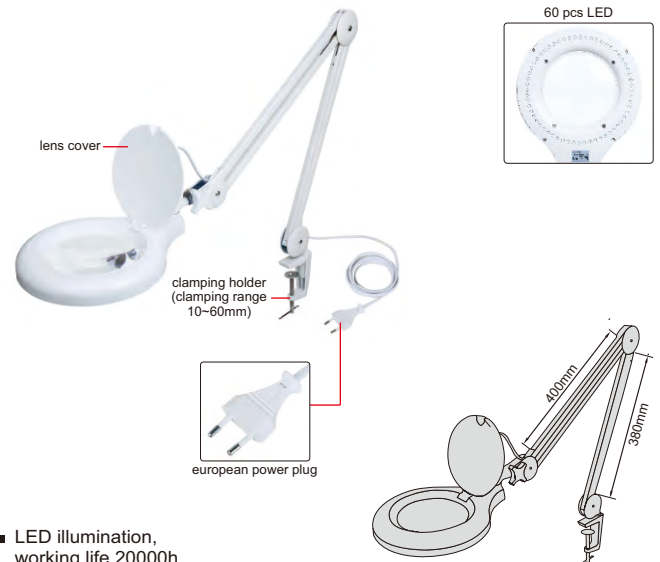


- Four steps brightness adjustment
- LED illumination, working life 20000h
- Resin lens

SPECIFICATION

| | |
|---------------------|-------------------------------|
| List Price (₹) | 3918 |
| Promotion Price (₹) | 3450 |
| Magnification | 1.75X |
| Diopter | 3D |
| Lens diameter | Ø125mm |
| Illumination | power: 3W, illuminance: 260lm |
| Power supply | power adapter 12V, 1A |

TABLE MAGNIFIER WITH ILLUMINATION CODE 7516-5D

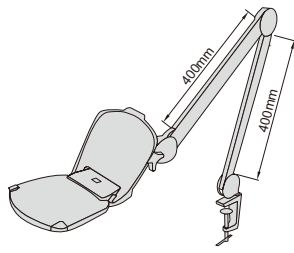


- LED illumination, working life 20000h

SPECIFICATION

| | |
|---------------------|-------------------------------|
| List Price (₹) | 4354 |
| Promotion Price (₹) | 3998 |
| Magnification | 2.25X |
| Diopter | 5D |
| Lens diameter | Ø122mm |
| Illumination | power: 7W, illuminance: 420lm |
| Power supply | 100~240V, 50~60Hz |

TABLE MAGNIFIERS WITH ILLUMINATION



- LED illumination, working life 20000h
- Resin lens

SPECIFICATION

| Code | 7520-320D | 7521-3D |
|---------------------|--------------------------------|---------|
| List Price (₹) | 6596 | 5901 |
| Promotion Price (₹) | 5936 | 5311 |
| Magnification | two magnifications 1.75X/6X | 1.75X |
| Diopter | 3D/20D | 3D |
| Lens diameter | 160×127mm | Ø126mm |
| Illumination | power: 6W, illumination: 550lm | |
| Power supply | power adapter 12V, 1A | |

7520-320D

7521-3D

FOLDING MAGNIFIER

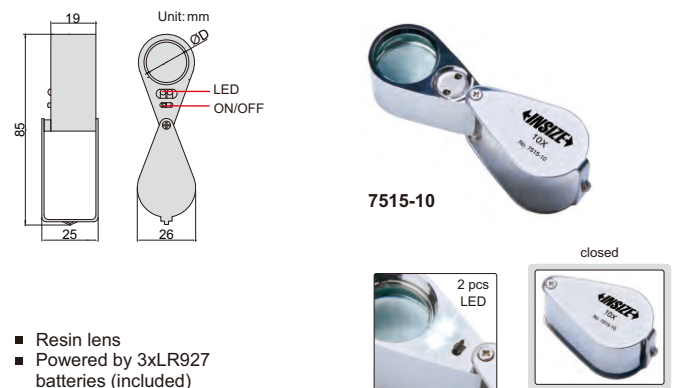


7511-8

- Glass lens

| Code | Magnification | Lens diameter (ØD) | List Price (₹) | Promotion Price (₹) |
|--------|---------------|--------------------|----------------|---------------------|
| 7511-8 | 10X | Ø21mm | 167 | 149 |

FOLDING MAGNIFIER WITH ILLUMINATION

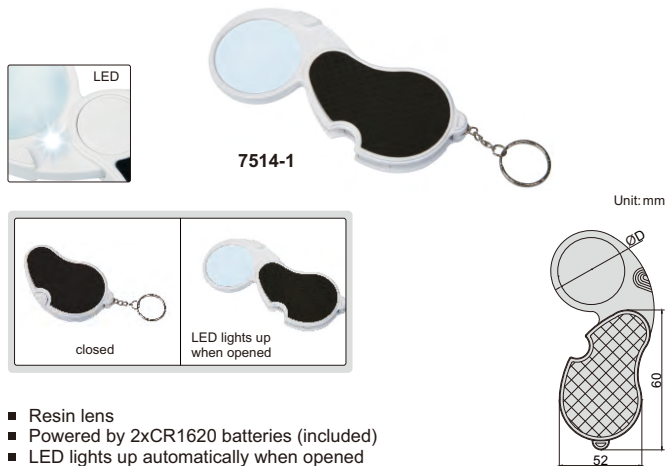


7515-10

- Resin lens
- Powered by 3xLR927 batteries (included)

| Code | Magnification | Lens diameter (ØD) | List Price (₹) | Promotion Price (₹) |
|---------|---------------|--------------------|----------------|---------------------|
| 7515-10 | 10X | Ø21mm | 461 | 411 |

FOLDING MAGNIFIER WITH ILLUMINATION



7514-1

- Resin lens
- Powered by 2xCR1620 batteries (included)
- LED lights up automatically when opened

| Code | Magnification | Lens diameter (ØD) | List Price (₹) | Promotion Price (₹) |
|--------|---------------|--------------------|----------------|---------------------|
| 7514-1 | 2.5X | Ø45mm | 364 | 324 |

MAGNIFIER WITH ILLUMINATION



7524-10

- Glass lens
- Powered by 3xAG7 batteries
- 3 pcs LED and 3 pcs UV
- Base with scale, graduation: 0.5mm, 1/16"

| Code | Magnification | Lens diameter (ØD) | List Price (₹) | Promotion Price (₹) |
|---------|---------------|--------------------|----------------|---------------------|
| 7524-10 | 10X | Ø30mm | 1383 | 1229 |

MAGNIFIERS WITH ILLUMINATION

- Glass lens
- Powered by 3xAAA batteries (included)



| Code | Magnification | Lens diameter (ØD) | L | List Price (₹) | Promotion Price (₹) |
|--------|---------------|--------------------|-------|----------------|---------------------|
| 7513-2 | 2X | Ø75mm | 170mm | 419 | 373 |
| 7513-4 | 4X | Ø50mm | 145mm | 385 | 343 |

MAGNIFIER WITH TWO LENSES



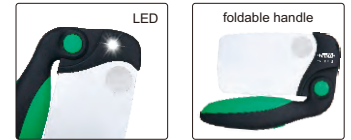
- Resin lens
- Interchangeable lenses
- Powered by 3 pcs AAA batteries (included)

| Code | Lens number | Magnification | Lens diameter (ØD) | List Price (₹) | Promotion Price (₹) |
|----------|-------------|---------------|--------------------|----------------|---------------------|
| 7522-610 | 2 pcs | 10X | 37mm | 715 | 598 |
| | | 6X | 50mm | | |

MAGNIFIER WITH ILLUMINATION

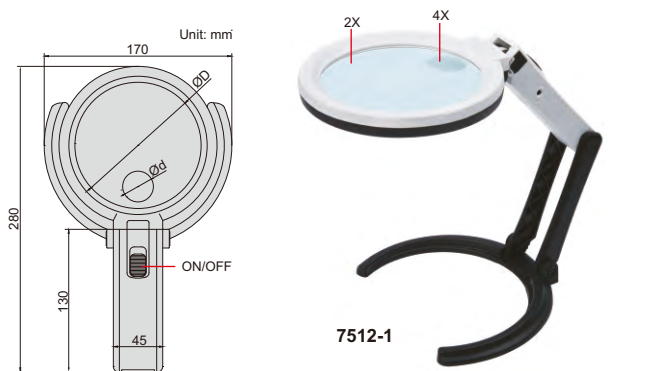


- Two magnifications
- LED illumination
- Powered by 2 pcs AAA batteries (included)
- Resin lens



| Code | Magnification | Lens size | List Price (₹) | Promotion Price (₹) |
|---------|---------------|-----------|----------------|---------------------|
| 7518-26 | 2X/6X | 90x55mm | 750 | 659 |

THREE WAYS MAGNIFIER WITH ILLUMINATION



- Resin lens
- Powered by 2xAA batteries (included) or power adapter (110~240V, 50~60Hz)



three ways use



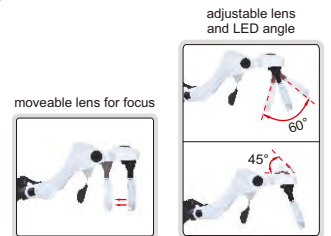
| Code | Magnification | Lens diameter (ØD/Ød) | List Price (₹) | Promotion Price (₹) |
|--------|---------------|-----------------------|----------------|---------------------|
| 7512-1 | 2X/4X | Ø120mm/Ø28mm | 1572 | 1383 |

MAGNIFICATION GLASSES



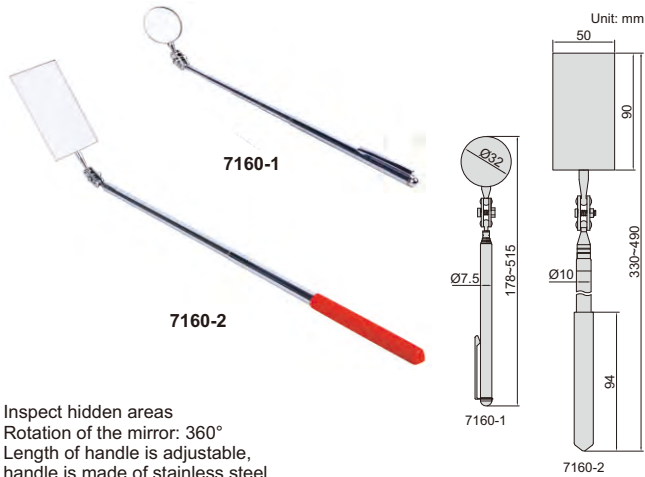
7523-3D5

- Resin lens
- Interchangeable lenses
- Powered by 3 pcs AAA batteries (included)



| Code | Lens number | Magnification | List Price (₹) | Promotion Price (₹) |
|----------|-------------|---------------|----------------|---------------------|
| 7523-3D5 | 5 pcs | 1X | 1103 | 923 |
| | | 1.5X | | |
| | | 2X | | |
| | | 2.5X | | |
| | | 3.5X | | |

TELESCOPING INSPECTION MIRRORS



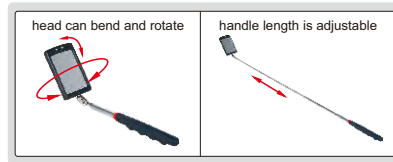
- Inspect hidden areas
- Rotation of the mirror: 360°
- Length of handle is adjustable, handle is made of stainless steel

| Code | Size of mirror | Length | List Price (₹) | Promotion Price (₹) |
|--------|----------------|-----------|----------------|---------------------|
| 7160-1 | Ø32mm | 178~515mm | 601 | 508 |
| 7160-2 | 50x90mm | 330~490mm | 1436 | 1258 |

TELESCOPING INSPECTION MIRROR (WITH ILLUMINATION)

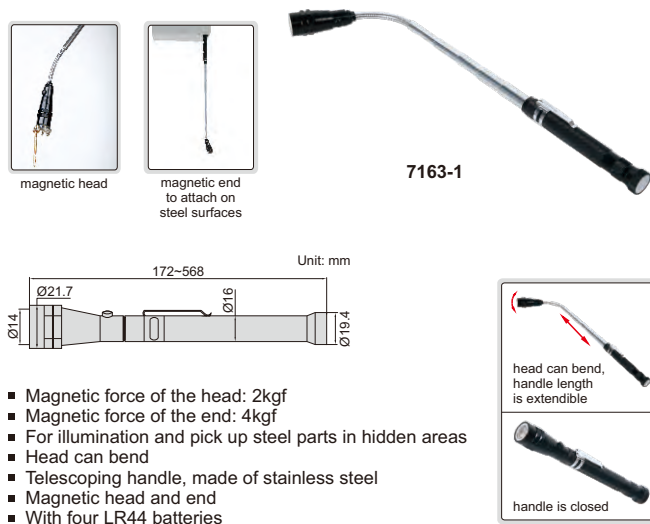


- Inspect hidden areas
- Head can bend and rotate
- Telescoping handle, made of stainless steel
- With two CR2032 batteries



| Code | Size of mirror | Length | List Price (₹) | Promotion Price (₹) |
|--------|----------------|-----------|----------------|---------------------|
| 7162-1 | 65x42mm | 285~875mm | 462 | 404 |

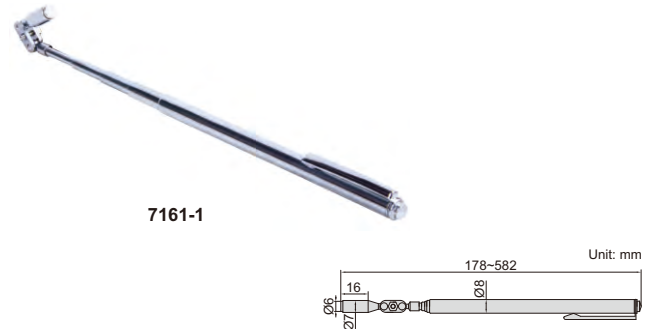
TELESCOPING MAGNETIC PICK-UP AND FLASHLIGHT



- Magnetic force of the head: 2kgf
- Magnetic force of the end: 4kgf
- For illumination and pick up steel parts in hidden areas
- Head can bend
- Telescoping handle, made of stainless steel
- Magnetic head and end
- With four LR44 batteries

| Code | Flashlight range | Battery life | Length | List Price (₹) | Promotion Price (₹) |
|--------|------------------|--------------|-----------|----------------|---------------------|
| 7163-1 | 3m | 8h | 172~568mm | 621 | 542 |

TELESCOPING MAGNETIC PICK-UP



- Pick up metal parts from hidden areas
- Rotation of the magnetic head: 360°
- Length of handle is adjustable, handle is made of stainless steel

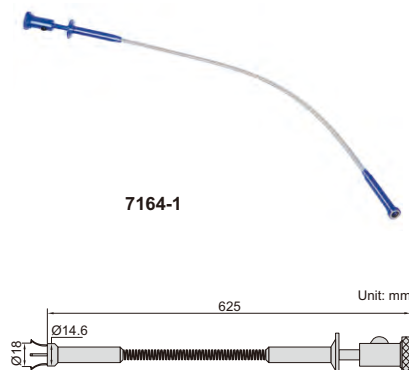
| Code | Size of magnetic tip | Magnetic force | Length | List Price (₹) | Promotion Price (₹) |
|--------|----------------------|----------------|-----------|----------------|---------------------|
| 7161-1 | Ø6mm | 0.45kgf | 178~582mm | 646 | 547 |

FLEXIBLE PICK-UP AND FLASHLIGHT



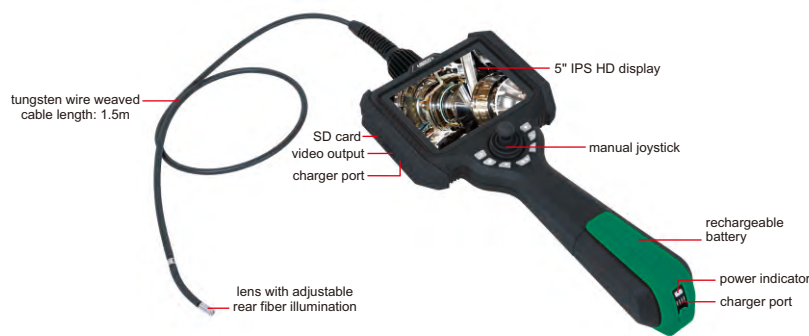
- For illumination and pick up steel parts in hidden areas
- Flexible spring rod, made of stainless steel
- Three LR44 batteries

| Code | Magnetic force | Flashlight range | Battery life | List Price (₹) | Promotion Price (₹) |
|--------|----------------|------------------|--------------|----------------|---------------------|
| 7164-1 | 0.9kgf | 1m | 24h | 554 | 430 |

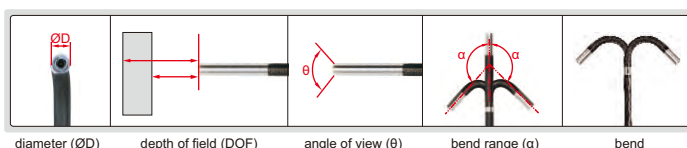


VIDEOSCOPES

REAR FIBER ILLUMINATION



ISV-K6015



changeable lens cable

SPECIFICATION

| Code | ISV-K1810 | ISV-K2410 | ISV-K2810 | ISV-K3915 | ISV-K6015 | |
|---------------------|----------------------------------------------------------------------------------------------|----------------------------------------------|----------------|-----------------|-----------------|-----------------|
| List Price (₹) | ON REQUEST | ON REQUEST | ON REQUEST | ON REQUEST | ON REQUEST | |
| Promotion Price (₹) | ON REQUEST | ON REQUEST | ON REQUEST | ON REQUEST | ON REQUEST | |
| Lens | diameter (ØD) | 1.8mm | 2.4mm | 2.8mm | 3.9mm | 6.0mm |
| | pixel | 0.16M | | | 0.92M | |
| | resolution | 400×400 | | | 1280×720 | |
| | depth of field | 3-30mm | 3-70mm | 3-70mm | 8-150mm | 12-200mm |
| | bending direction | two directions | two directions | four directions | four directions | four directions |
| | bending range (α) | ±160° | | | | |
| | angle of view (θ) | 120° | | | | |
| | illumination | rear fiber | | | | |
| | lens | sapphire glass lens | | | | |
| | dust/waterproof | IP65 | | | IP67 | |
| Cable | length | 1m | 1m | 1m | 1.5m | 1.5m |
| | type | tungsten wire weaved cable | | | | |
| Main unit | display | 5" high definition LCD | | | | |
| | function | take pictures, take videos | | | | |
| | file format | picture: JPG, video: MP4 | | | | |
| | image process | image zoom (1X, 2X, 3X, 4X) | | | | |
| | image control | freeze, flip over, playback and analog ruler | | | | |
| | memory | memory card | | | | |
| | output | USB, HDMI | | | | |
| power supply | rechargeable lithium battery (working time ≥ 4hours), AC/DC adapter (for continuous working) | | | | | |
| Weight | 1000g | | | | | |

STANDARD DELIVERY

| | |
|---------------|------|
| Main unit | 1 pc |
| 32G SD card | 1 pc |
| Card reader | 1 pc |
| USB cable | 1 pc |
| Tripod | 1 pc |
| AC/DC adapter | 1 pc |

OPERATION ENVIRONMENT

| | |
|-----------------------|------------------------------|
| Main unit | -10~50°C, no preheat |
| Operation temperature | -20~70°C |
| Storage temperature | -20~60°C |
| Relative humidity | maximum 90%, no condensation |

OPTIONAL ACCESSORY

| | |
|-------------------|--------------------------------------------------------------------------------------------------------------------|
| WiFi output | ISV-K-WIFI (must be installed in factory, only for Android OS) |
| Temperature alarm | ISV-K-HTALARM (must be installed in factory, for ISV-K3915 and ISV-K6015) |
| Clamp | ISV-K-CLAMP1, ISV-K-CLAMP2, ISV-K-CLAMP3, ISV-K-CLAMP4 (must be installed in factory, for ISV-K3915 and ISV-K6015) |

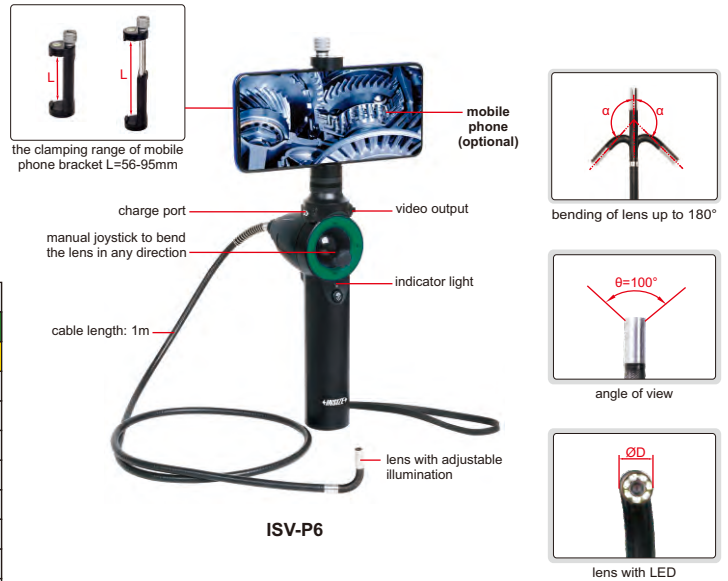
MOBILE PHONE VIDEOSCOPE



For Android and IOS mobile phones

SPECIFICATION

| | |
|-----------------------|--------------------------------------------|
| Code | ISV-P6 |
| List Price (₹) | 58677 |
| Promotion Price (₹) | 52809 |
| Diameter of lens (ØD) | 6±0.2mm |
| Length of cable | 1m |
| Resolution | 960×720, 1280×720 (switchable) |
| Depth of field | 20mm~∞ |
| Angle of view (θ) | 100° |
| Bending range (α) | 0~180° |
| Illumination | LED with 3 levels control |
| Cable type | wear resistant |
| Interface | USB, type-C |
| Mobile phone system | Android, IOS |
| Power supply | rechargeable battery (for 2 hours working) |
| Dimension (L×W×H) | 195×57×105mm |
| Weight | 450g |



ISV-P6

STANDARD DELIVERY

| | |
|------------------------|------|
| Main unit (with cable) | 1 pc |
| Type-C cable | 1 pc |
| Micro USB cable | 1 pc |
| Iphone cable | 1 pc |
| Charging cable | 1 pc |



VIDEOSCOPIES (BASIC TYPE)

TUNGSTEN WIRE WEAVED CABLE
BREAK AND WEAR RESISTANCE

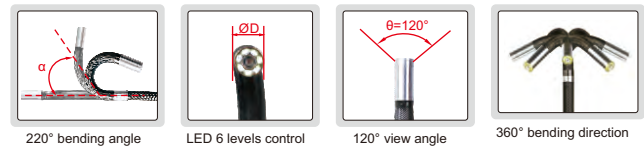


SPECIFICATION

| Code | | ISV-T105 | ISV-S106 |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------|
| List Price (₹) | | 132831 | 159356 |
| Promotion Price (₹) | | 120655 | 144749 |
| Lens | diameter (ØD) | 6mm | |
| | pixel | 1M | |
| | resolution | 1280×720 | |
| | depth of field | 20~150mm | |
| | bending direction | 360° | |
| | bending range (α) | 0°~220° | |
| | angle of view (θ) | 120° | |
| | illumination | 7 pcs LED, with 6 levels control | |
| | illuminance | 25000Lux | |
| | lens | sapphire glass lens | |
| | dust/waterproof | IP67 | |
| bend control | manual joystick | | |
| temperature alarm | temperature sensor (optional) | | |
| Cable | length | 1m | 1.5m |
| | type | tungsten wire weaved cable | |
| Main unit | display | 3.5" IPS full-view display | |
| | display resolution | 640×480 | |
| | function | take pictures, take videos | |
| | file format | picture: JPG, video: MP4 | |
| | image process | image zoom (1X, 2X, 3X, 4X, 5X) | |
| | memory | memory card (maximum: 64G) | |
| | output | USB, HDMI, WIFI (optional) | |
| | dust/waterproof | IP65 | |
| power supply | rechargeable lithium battery (working time ≥ 3 hours; optional: additional battery, working time ≥ 9 hours) AC/DC adapter (for continuous working) | | |
| Weight | 1000g | | |



ISV-S106



STANDARD DELIVERY

| | |
|-------------------------------|------|
| Main unit (with cable & lens) | 1 pc |
| 16G SD card | 1 pc |
| Card reader | 1 pc |
| USB cable | 1 pc |
| Battery | 1 pc |
| AC/DC adapter | 1 pc |

OPTIONAL ACCESSORY

| | |
|--------------------|-------------------------------------------------|
| Additional battery | ISV-S106-BATTERY (must be installed in factory) |
| WIFI output | ISV-S106-WIFI |
| Temperature alarm | ISV-S106-HT-ALARM |

VIDEOSCOPE (BASIC TYPE) CODE ISV-E40



MEMORY CABLE CAN BE
FIXED AT ANY SHAPE

IP67
WATERPROOF



hook (included)



magnet pick up (included)



45° mirror (included)

lens with 8 pcs LED
adjustable illumination



SPECIFICATION

| | | |
|---------------------|-----------------|----------------------------------------------------|
| List Price (₹) | | 18292 |
| Promotion Price (₹) | | 10975 |
| Lens | diameter (ØD) | 8mm |
| | pixel | 0.92M |
| | resolution | 1280x720 |
| | depth of field | 30~80mm |
| | angle of view | 77° |
| | illumination | 3 levels |
| Cable | dust/waterproof | IP67 |
| | length | 1180mm |
| Main unit | type | memory (can be set at any shape) |
| | display | 5" IPS LCD |
| | function | take picture, take video |
| | file format | picture: JPG, video: MOV |
| | image process | image zoom (1.5X, 2X, 3X, 4X) |
| | memory | memory card (optional) |
| | output | type-C |
| | power supply | rechargeable lithium battery (for 5 hours working) |
| | dimension | 217×155×131mm |
| | Weight | 506g |

STANDARD DELIVERY

| | |
|----------------|------|
| Main unit | 1 pc |
| 45° mirror | 1 pc |
| Hook | 1 pc |
| Magnet pick up | 1 pc |

OPTIONAL ACCESSORY

| | |
|-----------------|----------------|
| 32G memory card | ISV-E40-CARD |
| Card reader | ISV-E40-READER |

OPERATION ENVIRONMENT

| | |
|-----------------------|----------|
| Operation temperature | -10~50°C |
| Storage temperature | -20~60°C |
| Operation humidity | 15%~85% |

VIDEOSCOPE (ECONOMIC TYPE) CODE ISV-E30

IP67
WATERPROOF

MEMORY CABLE CAN BE
FIXED AT ANY SHAPE

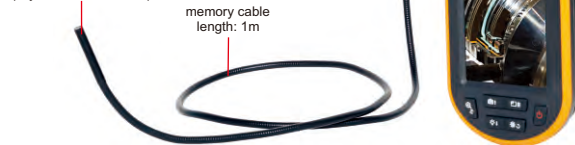


SPECIFICATION

| | | |
|---------------------|-----------------|----------------------------------|
| List Price (₹) | | 14271 |
| Promotion Price (₹) | | 8562 |
| Lens | diameter | 5.2mm |
| | pixel | 0.4M |
| | depth of field | 30~80mm |
| | angle of view | 72° |
| | illumination | 8 levels |
| | dust/waterproof | IP67 |
| Cable | length | 1m |
| | type | memory (can be set at any shape) |
| Main unit | display | 4.3" LCD |
| | function | take picture, take video |
| | file format | picture: JPG, video: AVI |
| | image zoom | 2X |
| | memory card | memory card (optional) |
| | output | micro USB |
| | power supply | AA battery |
| | dimension | 154×32.5×87.5mm |
| Weight | 280g | |

lens
(adjustable illumination)

memory cable
length: 1m



cable can be wrapped around the main unit



hook (included)



magnet pick up (included)

STANDARD DELIVERY

| | |
|----------------|-------|
| Main unit | 1 pc |
| Hook | 1 pc |
| Magnet pick up | 1 pc |
| AA battery | 4 pcs |

OPTIONAL ACCESSORY

| | |
|-----------------|----------------|
| 32G memory card | ISV-E40-CARD |
| Card reader | ISV-E40-READER |

OPERATION ENVIRONMENT

| | |
|-----------------------|----------|
| Operation temperature | -10~50°C |
| Storage temperature | -20~60°C |
| Operation humidity | 15%~85% |

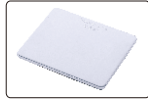
COATING THICKNESS GAGE (HIGH PRECISION) CODE ISO-8000FN

SUITABLE FOR THIN
COATING BELOW 10µm

FOR MAGNETIC AND
NON-MAGNETIC SUBSTRATES



calibration foils
(included)



zero calibration plate
(included)



eddy current probe
(optional)



stand (optional)



magnetic induction
probe (included)

- Can measure thickness of thin coating below 10µm
- High repeatability
- Magnetic induction probe measures the thickness of non-magnetic coating and non-metallic coating on magnetic metal substrate
Substrate: iron, steel, magnetic stainless steel (not for non-magnetic stainless steel)
Coating: zinc, aluminum, copper, chrome, tin, plastic, powder, paint (not for nickel)
- Eddy current probe measures the thickness of non-conductive coating on non-magnetic metal substrate
Substrate: copper, aluminum, zinc, non-magnetic stainless steel
Coating: plastic, powder, paint, anodizing (not for chrome and zinc plating)
- Maximum, minimum, average and variance values can be calculated automatically

SPECIFICATION

| | | |
|----------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------|
| List Price (₹) | 70789 | |
| Promotion Price (₹) | 63710 | |
| Probe | magnetic induction probe (included) | eddy current probe (optional)* |
| Measuring range | 0~500µm | 0~1500µm |
| Resolution | 0.1µm (range<100µm) 1µm (100µm≤range≤500µm) | 0.1µm (range<100µm) 1µm (100µm≤range<1000µm) 0.01mm (1.00mm≤range≤1.50mm) |
| Accuracy | ±(0.5+2%L)µm L is measuring thickness in µm | |
| Repeatability | ≤(0.2+0.8%L)µm L is measuring thickness in µm | |
| Measuring mode | single and continuous | |
| Measure interval | single mode | 1.5s |
| | continuous mode | 0.4s |
| Calibration mode | zero calibration and multi-points calibration (1~5 points) | |
| Minimum substrate thickness | 0.1mm | 0.05mm |
| Minimum measuring area | Ø7mm | |
| Minimum radius of curvature workpieces | convex surface | 1.5mm |
| | concave surface | 10mm |
| Unit | µm/mil | |
| Power supply | 4×1.5V AAA batteries | |
| Dimension | 148×76×26mm | |
| Weight | 148g | |

STANDARD DELIVERY

| | |
|------------------------------------------------------------------------|-------|
| Main unit | 1 pc |
| Magnetic induction probe | 1 pc |
| Zero calibration plate | 1 pc |
| Calibration foils (5.6µm, 11.6µm, 24.6µm, 50.0µm, 100µm, 252µm, 390µm) | 1 set |
| 1.5V AAA battery | 4 pcs |

OPTIONAL ACCESSORY

| | |
|--------------------------------------------------|-------------------|
| Eddy current probe (with zero calibration plate) | ISO-8000FN-N1500* |
| Stand | ISO-8000FN-STAND |

*For precision measurement of thin coating below 10µm, please use the stand for eddy current probe

COATING THICKNESS GAGE (BASIC TYPE) CODE ISO-1200FN



FOR MAGNETIC AND
NON-MAGNETIC SUBSTRATES

- Probe is suitable for both magnetic and non-magnetic metal substrates
- Can measure the thickness of non-magnetic coating and non-metallic coating on magnetic metal substrate
Substrate: iron, steel, magnetic stainless steel (not for non-magnetic stainless steel)
Coating: zinc, aluminum, copper, chrome, tin, plastic, powder, paint (not for nickel)
- Can measure the thickness of non-conductive coating on non-magnetic metal substrate
Substrate: copper, aluminum, zinc, non-magnetic stainless steel
Coating: plastic, powder, paint, anodizing (not for chrome and zinc plating)
- 3 measuring modes: Fe, NFe, Fe/NFe
- Store 9 measuring records
- Small and portable, easy for operation



Fe zero calibration plate
(included)



NFe zero calibration plate
(included)



standard foil (included)



ruby contact point

STANDARD DELIVERY

| | |
|----------------------------|-------|
| Main unit | 1 pc |
| Fe zero calibration plate | 1 pc |
| NFe zero calibration plate | 1 pc |
| Standard foil (100µm) | 1 pc |
| 1.5V AA battery | 2 pcs |

SPECIFICATION

| | |
|----------------------------------------|---------------------------------------------------------------------------|
| List Price (₹) | 21837 |
| Promotion Price (₹) | 19654 |
| Measuring range | 0~2000µm |
| Resolution | 0.1µm (range<100µm) 1µm (100µm≤range<1000µm) 0.01mm (1mm≤range≤2mm) |
| Accuracy | ±(2µm+3%L) L is measuring thickness in µm |
| Measure interval | 0.5s |
| Calibration mode | zero calibration |
| Measuring mode | Fe, NFe, Fe/NFe |
| Minimum substrate thickness | Fe 0.2mm NFe 0.05mm |
| Minimum measuring area | Ø25mm |
| Minimum radius of curvature workpieces | convex surface 5mm concave surface 25mm |
| Unit | µm/mil |
| Power supply | 2×1.5V AA batteries |
| Main unit dimension | 101×62×28mm |
| Probe dimension | 71×26×22mm |
| Weight | 114g |

COATING THICKNESS GAGE (BASIC TYPE) CODE ISO-1000FN

FOR MAGNETIC AND
NON-MAGNETIC SUBSTRATES



- Probe is suitable for both magnetic and non-magnetic metal substrates
- Can measure the thickness of non-magnetic coating and non-metallic coating on magnetic metal substrate
Substrate: iron, steel, magnetic stainless steel (not for non-magnetic stainless steel)
Coating: zinc, aluminum, copper, chrome, tin, plastic, powder, paint (not for nickel)
- Can measure the thickness of non-conductive coating on non-magnetic metal substrate
Substrate: copper, aluminum, zinc, non-magnetic stainless steel
Coating: plastic, powder, paint, anodizing (not for chrome and zinc plating)
- 3 measuring modes: Fe, NFe, Fe/NFe
- Store 9 measuring records
- Small and portable, easy for operation



ruby contact point



Fe zero calibration plate
(included)



NFe zero calibration plate
(included)



standard foil (included)

STANDARD DELIVERY

| | |
|----------------------------|-------|
| Main unit | 1 pc |
| Fe zero calibration plate | 1 pc |
| NFe zero calibration plate | 1 pc |
| Standard foil (100µm) | 1 pc |
| 1.5V AA battery | 2 pcs |

SPECIFICATION

| | |
|----------------------------------------|---------------------------------------------------------------------------|
| List Price (₹) | 18126 |
| Promotion Price (₹) | 16314 |
| Measuring range | 0~2000µm |
| Resolution | 0.1µm (range<100µm) 1µm (100µm≤range<1000µm) 0.01mm (1mm≤range≤2mm) |
| Accuracy | ±(2µm+3%L) L is measuring thickness in µm |
| Measure interval | 0.5s |
| Calibration mode | zero calibration |
| Measuring mode | Fe, NFe, Fe/NFe |
| Minimum substrate thickness | Fe 0.2mm NFe 0.05mm |
| Minimum measuring area | Ø25mm |
| Minimum radius of curvature workpieces | convex surface 5mm concave surface 25mm |
| Unit | µm/mil |
| Power supply | 2×1.5V AA batteries |
| Dimension | 101×62×28mm |
| Weight | 79g |

COATING THICKNESS GAGE CODE 9501-1200

FOR MAGNETIC AND
NON-MAGNETIC SUBSTRATES

DATA
OUTPUT



software CD
(included)



VIDEO

- Magnetic induction probe (FE) measures the thickness of non-magnetic coating and non-metallic coating on magnetic metal substrate.
Substrate: iron, steel, magnetic stainless steel (not for non-magnetic stainless steel)
Coating: zinc, copper, chrome, tin, plastic, powder, paint (not for nickel)
- Eddy current probe (NFE) measures the thickness of non-conductive coating on non-magnetic metal substrate.
Substrate: copper, aluminum, zinc, non-magnetic stainless steel
Coating: plastic, powder, paint, anodizing (not for chrome and zinc plating)
- Tolerance measurement
- Automatic power off



eddy current probe
NFE (optional) with
zero calibration block



magnetic induction
probe FE90 for bores
and grooves (optional)



magnetic induction
probe FE10 for large
range (optional)



zero calibration block
for FE (included)



calibration foils
(included)



data transmission
cable (optional)

SPECIFICATION

| | | | | |
|-------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------|
| List Price (₹) | 26352 | | | |
| Promotion Price (₹) | 23903 | | | |
| Probe type | FE (included) magnetic induction probe | NFE (optional) eddy current probe | FE90 (optional) magnetic induction probe for bores and grooves | FE10 (optional) magnetic induction probe for large range |
| Measuring range | 0~1250µm | 0~1250µm | 0~1250µm | 500~10000µm |
| Accuracy | ±(3%L+1)µm (range≤1250µm) ±(3%L+10)µm (range>1250µm) L is measuring thickness in µm | | | |
| Resolution | 0.1µm (range<100µm) 1µm (range≥100µm) | | | |
| Measuring mode | continuous and single | | | |
| Minimum substrate thickness | 0.5mm | 0.3mm | 0.5mm | 2mm |
| Minimum measuring area | Ø7mm | Ø5mm | Ø7mm | Ø40mm |
| Minimum curvature radius of convex workpiece | 1.5mm | 3mm | - | 10mm |
| Memory | 500 | | | |
| Output | USB | | | |
| Power supply | 2×1.5V AA batteries | | | |
| Dimension | 128×68×32mm | | | |
| Weight | 340g | | | |

STANDARD DELIVERY

| | |
|-------------------------------------------------------|-------|
| Main unit | 1 pc |
| Magnetic induction probe (FE) | 1 pc |
| Zero calibration block for FE probe | 1 pc |
| Calibration foils (50µm, 100µm, 250µm, 500µm, 1000µm) | 1 set |
| 1.5V AA battery | 2 pcs |
| Software and USB cable | 1 pc |

OPTIONAL ACCESSORY

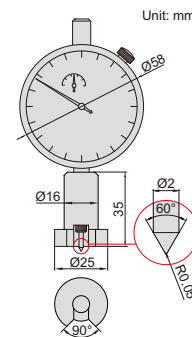
| | |
|-------------------------------------------------------|----------------|
| Data transmission cable | 9501-1200-SPC |
| Eddy current probe (NFE) with zero calibration block | 9501-1200-NFE |
| Magnetic induction probe (FE90) for bores and grooves | 9501-1200-FE90 |
| Magnetic induction probe (FE10) for large range | 9501-1200-FE10 |

SURFACE PROFILE GAGE

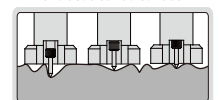
- Measure peak-to-valley height of blast cleaned surface.
If the profile is too low, the adhesion of the coating to the surface will be reduced.
If the profile is too high, there is the danger that the profile peaks will remain uncoated, allowing rust spots to occur.
- Meet ASTM D 4417-B
- Zero set block is included, set zero before measurement
- Stainless steel base



2344-1



measure peak-to-valley height
of blast cleaned surface



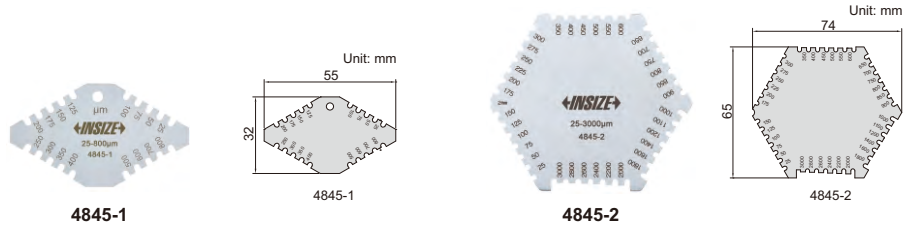
| Code | Range | Dial indicator stroke | Dial indicator graduation | Accuracy | List Price (₹) | Promotion Price (₹) |
|--------|-------|--------------------------|------------------------------|----------|-------------------|------------------------|
| 2344-1 | 0-1mm | 1mm | 0.001mm | ±0.005mm | 8364 | 7528 |



VIDEO

WET FILM GAGES

- Made of stainless steel



| Code | Range | Accuracy | Thickness | List Price (₹) | Promotion Price (₹) |
|--------|-----------|-------------------------------------|-----------|----------------|---------------------|
| 4845-1 | 25-800µm | ±5µm | 1.8mm | 1977 | 1779 |
| 4845-2 | 25-3000µm | 25-100µm: ±5µm 100µm-3000µm: ±5% | 1mm | 1403 | 1263 |

ULTRASONIC THICKNESS GAGE CODE ISU-250C

INSPECTION
CERTIFICATE

DATA
OUTPUT



- Measure the thickness from one side of objects, suitable for pipes, tanks, etc.
- Applicable material: metal, plastic, glass, nylon, resin, ceramic, ice
- Tolerance measurement
- Average calculation of maximum 9 readings
- Data can be input to Excel and Word as keyboard signal



couplant (included)



transducer ISU-T04
(optional)



transducer ISU-T06
(optional)



transducer ISU-T12
(optional)



transducer ISU-T13
(optional)

SPECIFICATION (ON STEEL)

| | |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------|
| List Price (₹) | 88260 |
| Promotion Price (₹) | 83847 |
| Resolution | 0.01mm (range<100mm) 0.1mm (range≥100mm) |
| Repeatability | 0.03mm (range<100mm) 0.1mm (range≥100mm) |
| Accuracy | ±0.04mm (range<10mm) ±(0.04+H/1000)mm (range 10~100mm) ±H/333mm (range≥100mm) H is the thickness to be measured in mm |
| Velocity | 1000-9999m/s |
| Power supply | 2×1.5V AAA batteries |
| Dimension | 64×116×27mm |
| Weight | 220g |

STANDARD DELIVERY

| | |
|---------------------------------------------------|----------|
| Main unit | 1 pc |
| Transducer ISU-T08 | 1 pc |
| Battery (AAA) | 2 pcs |
| Couplant (for ISU-T04, ISU-T06, ISU-T08, ISU-T12) | 1 bottle |
| USB cable | 1 pc |

OPTIONAL ACCESSORY

| | |
|------------------------|------------------------------------|
| Transducer | ISU-T04, ISU-T06, ISU-T12, ISU-T13 |
| Couplant (for ISU-T13) | ISU-HT5-COULPLANT |

SPECIFICATION OF TRANSDUCERS (ON STEEL)

| Code | Frequency | Diameter (Ød) | Measuring range | Minimum size of pipes for measurement (diameter × wall thickness) | Applicable temperature | Application |
|--------------------|-----------|---------------|-----------------|-------------------------------------------------------------------|------------------------|----------------------|
| ISU-T08 (included) | 5.0MHz | 11mm | 0.8~300mm | Ø25×1.2mm | <60°C | general use |
| ISU-T04 (optional) | 10.0MHz | 6mm | 0.7~20mm | Ø15×1mm | <60°C | for small tubes |
| ISU-T06 (optional) | 7.5MHz | 9mm | 0.7~50mm | Ø15×1.2mm | <60°C | for thin workpieces |
| ISU-T12 (optional) | 2.0MHz | 17mm | 2~400mm | Ø40×3mm | <60°C | for casting iron |
| ISU-T13 (optional) | 5.0MHz | 15mm | 3~100mm | Ø25×2mm | <350°C | for high temperature |

ULTRASONIC THICKNESS GAGE (BASIC TYPE) CODE ISU-100D

ATTENTION: NOT SUITABLE FOR
CASTINGS AND ALUMINUM WORKPIECES



LCD with
backlight

4.00mm block
for calibration

↑∅d

STANDARD DELIVERY

| | |
|---------------|----------|
| Main unit | 1 pc |
| Transducer | 1 pc |
| Couplant | 1 bottle |
| Battery (AAA) | 2 pcs |

- Measure the thickness from one side of objects, suitable for pipes, tanks, etc.
- Applicable material: steel, stainless steel, glass, copper, brass, polystyrene, titanium, etc.

SPECIFICATION (ON STEEL)

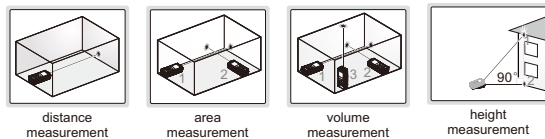
| | |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| List Price (₹) | 39533 |
| Promotion Price (₹) | 28650 |
| Measuring range | 0.8~300mm |
| Resolution | 0.01mm (range<100mm) 0.1mm (range≥100mm) |
| Accuracy | ±0.04mm (range<10mm) ±(0.04+H/1000)mm (range 10~100mm) ±H/333mm (range≥100mm) H is the thickness to be measured in mm |
| Transducer | frequency 5MHz diameter (∅d) 10.8mm |
| Minimum size of pipes for measurement | 20×1.2mm (diameter×wall thickness) |
| Applicable temperature | <60°C |
| Velocity | 1000-9999m/s |
| Power supply | 2×AAA batteries |
| Dimension | 114×64×28mm |
| Weight | 200g |

LASER DISTANCE METERS



9561-50B

- Large display with backlight
- Unit: m, ft, in, ft+in
- Distance, area, volume and height measurement
- Continuous measuring mode to track maximum and minimum value
- Memory of 30 measurement values
- Automatic power off: laser 30s, main unit 180s



SPECIFICATION

| Code | 9561-50B | 9561-70B |
|---------------------|-------------------------------------------|----------|
| List Price (₹) | 2500 | 2886 |
| Promotion Price (₹) | 2250 | 2597 |
| Measuring range | 0.2~50m | 0.2~70m |
| Resolution | 0.001m, 0.001ft, 1/32" | |
| Accuracy | ±(2+D/11)mm D: measured distance, unit: m | |
| Laser type | 630~670nm, class II, <1mW | |
| Power supply | 2×AAA batteries | |
| Dimension (L×W×H) | 115×50×28mm | |
| Weight | 95g | |

STANDARD DELIVERY

| | |
|---------------|-------|
| Main unit | 1 pc |
| Battery (AAA) | 2 pcs |

INFRARED THERMOMETER (BASIC TYPE) CODE 0210-G260



- MAX/MIN temperature display
- °C/°F conversion function
- Auto data hold and auto power off

SPECIFICATION

| | |
|-----------------------------|----------------------------------------------------------------|
| List Price (₹) | 2733 |
| Promotion Price (₹) | 2378 |
| Measuring range | -30°C~260°C/-22°F~500°F |
| Accuracy | ±4°C/±7°F (≤0°C) ±2% or ±2°C/±4°F (>0°C) |
| Resolution | 0.1°C/0.1°F |
| Distance to spot size (D:S) | 8:1 |
| Emissivity | 0.95 (fixed) |
| Diode laser | output<1mW, wavelength 630~670nm class 2 (II) laser product |
| Spectral response | 6~14µm |
| Response time | less than 1s |
| Power supply | 9V battery |
| Dimension | 82×42×160mm |
| Weight | 180g |

STANDARD DELIVERY

| | |
|-----------|------|
| Main unit | 1 pc |
| Battery | 1 pc |

INFRARED THERMAL IMAGING CAMERA (BASIC TYPE) CODE 9132-T400

NON-CONTACT
TEMPERATURE MEASUREMENT



DATA
OUTPUT

IP54
WATERPROOF



front view



- IR/visible/laser indicator
- Trigger button for photo taking
- 2-meter drop test, IP54 protection

STANDARD DELIVERY

| | |
|----------------------|------|
| Main unit | 1 pc |
| Power supply adapter | 1 pc |
| TYPE-C cable | 1 pc |
| 16G TF card | 1 pc |

SPECIFICATION

| | | |
|------------------------------|------------------------------|-------------------------------------------------------------------------------|
| List Price (₹) | | 60527 |
| Promotion Price (₹) | | 52040 |
| IR image | IR resolution | 120×90@17μm |
| | detector type | VOx/7.5~14μm |
| | frame rate | 25Hz/9Hz |
| | thermal sensitivity/NETD | 60mk |
| | focal length | 2.28mm/F1.13 |
| | field of view (FOV) | 50°×38° |
| | spatial resolution (IFOV) | 7.6mrad |
| Visible camera | visible camera resolution | 320×240, focus-free |
| | flashlight | yes |
| Image display | display | 2.4 inch IPS technology TFT display |
| | display resolution | 320×240 |
| | image model | IR/visible/picture-in-picture |
| | color palettes | 6: white hot, iron red, hot iron, arctic, rainbow 1, rainbow 2 |
| Temperature measurement | temperature range | -20~150°C, 100~400°C (auto switching) |
| | accuracy | ±2°C or ±2%, whichever is greater (target temp ≥0°C, ambient temp is 15~30°C) |
| | measurement spot | center spot |
| | measurement area | 3 (incl. max & min temp) |
| | auto max & min spot tracking | yes |
| Image storage | alarm | full screen max & min spot alarm |
| | storage media | TF card (16G) |
| | IR image format | full radiometric (JPG) (120x90) |
| | visible image | yes, 320x240 |
| Connections & communications | USB | type-C, TF card slot |
| | tripod interface | yes |
| | mobile APP | yes |
| | PC IR analysis software | yes |
| Power system | battery type | rechargeable li ion battery |
| | battery operation time | >5 hours |
| | charging time | internal charge, ≤2.5 hours |
| Environmental parameters | operation temperature | -10~50°C |
| | storage temperature | -40~70°C |
| | protection | IP54, 2-meter drop test |
| | certification | CE/ROHS/FCC |
| | dimension (LxWxH) | 194×61.5×76mm |
| | weight | 350g |

DIGITAL THERMOHYGROMETER CODE 9362-TH27

- Measure humidity, ambient temperature and dew-point temperature
- Max/Min/Average mode
- Alarm function



SPECIFICATION

| | |
|------------------------|----------------------------------------------------------------|
| List Price (₹) | 8170 |
| Promotion Price (₹) | 7353 |
| Sensor | NTC thermistor/humidity capacitance/digital sensor |
| Temperature range | -20°C~70°C/-4°F~158°F |
| Temperature accuracy | ±0.5°C/±0.9°F |
| Temperature resolution | 0.1°C/0.2°F (minimum adjustable unit is 0.2°F in setting mode) |
| Humidity range | 0~100%RH |
| Humidity accuracy | ±5%RH |
| Humidity resolution | 0.1%RH |
| Sampling interval | 5s |
| Battery | 1.5V AAA |
| Dimensions | 95×107×18mm |
| Weight | 105g |

STANDARD DELIVERY

| | |
|---------------|------|
| Main unit | 1 pc |
| Battery (AAA) | 1 pc |

DATA LOGGER FOR TEMPERATURE AND HUMIDITY (BUILT-IN SENSOR) CODE 0311-3070



IP54
WATERPROOF

DATA
OUTPUT

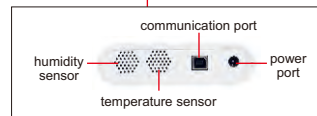
- Signal acquisition, display, storage, analysis function
- Low power consumption
- Built-in high-precision temperature and humidity sensor
- Software is included

SPECIFICATION

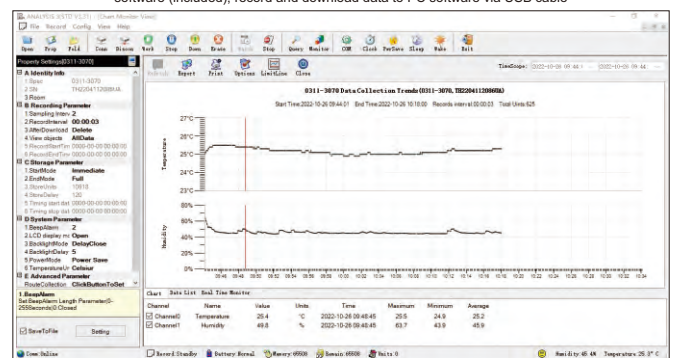
| | |
|------------------------|------------------------------------------------------------------------------------------|
| List Price (₹) | 23870 |
| Promotion Price (₹) | 20767 |
| Temperature range | -30°C~70°C/-22°F~158°F |
| Temperature accuracy | ±0.3°C (at 23°C±2°C), other range ±0.5°C ±0.6°F (at 73.4°F±3.6°F), other range ±0.9°F |
| Temperature resolution | 0.1°C/0.2°F |
| Humidity range | 0%RH~100%RH |
| Humidity accuracy | ±3%RH (at 10%RH~85%RH), other range ±5%RH |
| Humidity resolution | 0.1%RH |
| Memory capacity | 10918 |
| Alarm | function: alarm when over high or low limit method: display+buzz+backlight |
| Sampling interval | 2s, 5s, 10s, 30s, 60s, 255s (adjustable) |
| Logging interval | 2 seconds~24 hours (adjustable) |
| Start with delay | 1~120 seconds (adjustable) |
| Start mode | start immediately/delay start/timing start |
| End mode | full/FIFO/preset/timing end |
| Timing start/end | random start/end with format YYMMDD HHMMSS |
| Interface | USB |
| Time battery | CR2032 |
| Power supply | 3.2V lithium battery or 5~24V DC |
| Dimensions | 123×117×33mm |
| Weight | 260g |



stand (included)



software (included), record and download data to PC software via USB cable



STANDARD DELIVERY

| | |
|------------------------|------|
| Main unit | 1 pc |
| Software and USB cable | 1 pc |
| Time battery | 1 pc |
| Lithium battery | 1 pc |

OPTIONAL ACCESSORY

| | |
|---------------|-------------------|
| Power adapter | 0311-3070-ADAPTER |
|---------------|-------------------|

THERMOHYGROMETER CODE 0310-H26

- Measure humidity, ambient temperature, dew point temperature and wet bulb temperature
- Min/Max, data hold function
- Bluetooth 4.0
- Auto power off

SPECIFICATION

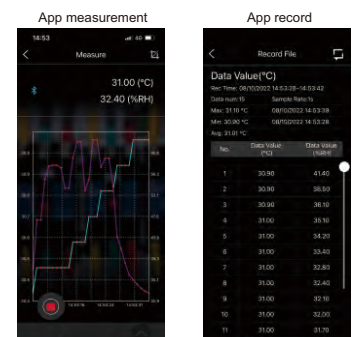
| Function | Measuring range | Resolution | Accuracy |
|-----------------------|------------------------|-------------|---------------|
| Ambient temperature | 0°C~50°C 32°F~122°F | 0.1°C/0.1°F | ±1.0°C/±1.8°F |
| Wet bulb temperature | 0°C~50°C 32°F~122°F | | |
| Dew point temperature | 0°C~50°C 32°F~122°F | | |
| Humidity | 0%RH~80%RH | 0.1%RH | ±5.0%RH |
| Auto power off | 30 minutes | | |
| Data port | Bluetooth 4.0 | | |
| Power supply | 9V battery | | |
| Dimension | 204×54×36mm | | |
| Weight | 172g | | |



| | |
|---------------------|------|
| List Price (₹) | 8374 |
| Promotion Price (₹) | 7285 |

STANDARD DELIVERY

| | |
|-----------|------|
| Main unit | 1 pc |
| Battery | 1 pc |



ANEMOMETER CODE 0110-1125

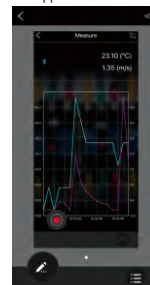
- Measure air velocity and temperature
- Min/Max, data hold function
- Bluetooth 4.0
- Auto power off

SPECIFICATION

| | | | | |
|-----------------------|----------------------------------------------------|-----------------|------------|-----------|
| List Price (₹) | 7600 | | | |
| Promotion Price (₹) | 6612 | | | |
| Air velocity | Unit | Measuring range | Resolution | Accuracy |
| | m/s | 1.1~25.0 | 0.01 | ±(3%+0.3) |
| | km/h | 4~90 | 0.1 | ±(3%+1) |
| | ft/min | 220~4920 | 1 | ±(3%+40) |
| | MPH | 2.5~56.0 | 0.1 | ±(3%+0.4) |
| knots | 2.2~48.0 | 0.1 | | |
| Air temperature | °C | 0~50 | 0.1 | ±2 |
| | °F | 32~122 | 0.1 | ±4 |
| Sensors | air velocity sensor, NTC-type precision thermistor | | | |
| Sampling time | 0.5s | | | |
| Operation altitude | max 2000m | | | |
| Operation environment | 0~50°C, 0~80%RH | | | |
| Storage environment | -10~60°C, 0~80%RH | | | |
| Auto power off | 10 minutes | | | |
| Data port | Bluetooth 4.0 | | | |
| Power supply | 9V | | | |
| Dimension | 213×54×36mm | | | |
| Weight | 172g | | | |



App measurement



App record

| No. | Date/Time | Data Value | Data Value |
|-----|-----------|------------|------------|
| | | °C | m/s |
| 1 | 23/10 | 0.23 | |
| 2 | 23/10 | 0.00 | |
| 3 | 23/10 | 0.00 | |
| 4 | 23/10 | 4.59 | |
| 5 | 23/10 | 1.85 | |
| 6 | 23/10 | 1.96 | |
| 7 | 23/10 | 3.72 | |
| 8 | 23/10 | 0.44 | |

STANDARD DELIVERY

| | |
|-----------|------|
| Main unit | 1 pc |
| Battery | 1 pc |

DIGITAL ANEMOMETER CODE 9331-40

- Measure velocity, flow, temperature and relative humidity
- Velocity unit: m/s, km/h, mil/h, ft/m, ft/s, knots
- Flow unit: CMS (cubic meter per second), CMM (cubic meter per minute), CFM (cubic feet per minute)
- Temperature type: ambient, dew point, wet bulb
- Maximum and minimum modes
- Automatic power off

SPECIFICATION

| | | |
|------------------------|----------------------|--------------------------------------------------------------------------------------|
| List Price (₹) | 10040 | |
| Promotion Price (₹) | 8939 | |
| Measuring range | velocity | 0.8~30m/s, 2.88~108km/h, 1.8~67.2mil/h, 2.62~98.5ft/s, 157.5~5900ft/m, 1.6~58.3knots |
| | flow | 0~99.99CMS, 0~999.9CMM, 0~999.9CFM |
| | temperature | -10~60°C/14~140°F |
| | relative humidity | 0~100%RH |
| Accuracy | velocity | ±(2%+0.5) for m/s, km/h, mil/h, ft/s, knots ±(2%+50) for ft/m |
| | temperature | ±1.5°C/±2.7°F |
| | relative humidity | ±3% (20~80%RH), ±5% (<20%RH or >80%RH) |
| Resolution | velocity | 0.01m/s, 0.01km/h, 0.01mil/h, 0.01ft/s, 1ft/m, 0.01knots |
| | flow | 0.01CMS, 0.1CMM, 0.1CFM |
| | temperature | 0.1°C/0.1°F |
| relative humidity | 0.1%RH | |
| Flowing area range | 0~9.999m²/0~9.999ft² | |
| Sampling time | 0.4s | |
| Maximum working height | 2000m | |
| Output | USB | |
| Power supply | 9V battery | |
| Dimension | 165×85×38mm | |
| Weight | 200g | |



DATA OUTPUT



VIDEO



software (included), display measurement values and graph, save and output data

STANDARD DELIVERY

| | |
|------------------------|------|
| Main unit | 1 pc |
| Software and USB cable | 1 pc |
| 9V battery | 1 pc |

software CD (included)



LIGHT METER (BASIC TYPE) CODE 0130-L110

- Suitable for measuring illuminance in various occasions
- Data hold function
- Fast switching of measuring range, easy to operate

SPECIFICATION

| | | | |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------|
| List Price (₹) | 2674 | | |
| Promotion Price (₹) | 2005 | | |
| Measuring range | 1~1999Lux | 10~19990Lux | 100~100000Lux |
| Resolution | 1Lux | 10Lux | 100Lux |
| Accuracy | ± (4%+10d), range<10000Lux ± (5%+10d), range≥10000Lux (d is resolution, calibrated with standard incandescent lamp at color temperature 2856K) | | |
| Repeatability | ±2% | | |
| Sampling time | 0.5s | | |
| Operation environment | 0~40°C, 0~70%RH | | |
| Storage environment | -10~50°C, 0~80%RH | | |
| Battery | 9V | | |
| Photodetector dimension | 105×58×28mm | | |
| Main unit dimension | 130×72×30mm | | |
| Weight | 170g | | |



STANDARD DELIVERY

| | |
|-----------|------|
| Main unit | 1 pc |
| Battery | 1 pc |

LIGHT METER CODE 0131-A120

- Photosensor can rotate 90° clockwise and rotate 180° counterclockwise
- Build-in calibration filters ensure the accuracy when working in different colors
- Data hold function
- Lux/FC unit switch
- Low battery warning

SPECIFICATION

| | | | | |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|---------------|
| List Price (₹) | 4856 | | | |
| Promotion Price (₹) | 3642 | | | |
| Measuring range | 0.1~199.9Lux | 1~1999Lux | 10~19990Lux | 100~199900Lux |
| Resolution | 0.1Lux | 1Lux | 10Lux | 100Lux |
| Measuring range | 0.01~19.99FC | 0.1~199.9FC | 1~1999FC | 10~19990FC |
| Resolution | 0.01FC | 0.1FC | 1FC | 10FC |
| Accuracy | ±(4%+10d), range<20000Lux/2000FC ±(5%+10d), range≥20000Lux/2000FC (d is resolution, calibrated with standard incandescent lamp at color temperature 2856K) | | | |
| Repeatability | ±2% | | | |
| Sampling time | 0.5s | | | |
| Operation environment | 0~40°C, 0~70%RH | | | |
| Storage environment | -10~50°C, 0~80%RH | | | |
| Battery | 9V | | | |
| Dimension | 185×68×38mm | | | |
| Weight | 130g | | | |



STANDARD DELIVERY

| | |
|-----------|------|
| Main unit | 1 pc |
| Battery | 1 pc |

INDUCTIVE MOISTURE METER CODE 0120-IM24



- Suitable for wood, gypsum and cement
- MAX/MIN/HOLD mode
- Alarm function
- Low battery indication
- Auto power off

STANDARD DELIVERY

| | |
|-----------|------|
| Main unit | 1 pc |
| Battery | 1 pc |

SPECIFICATION

| | |
|---------------------|-------------|
| List Price (₹) | 9265 |
| Promotion Price (₹) | 7875 |
| Measuring range | 0~100% |
| Resolution | 1% |
| Accuracy | ±4% |
| Detection depth | 20~40mm |
| Sampling time | 0.5s |
| Battery | 9V |
| Dimension | 185×55×38mm |
| Weight | 193g |

DIGITAL MOISTURE METER CODE 9341-50



- Suitable for wood, smooth cement, hard gypsum, mixed mortar, brick, etc.
- Measure moisture, temperature and relative humidity
- Temperature type: ambient, dew point, wet bulb
- Maximum and minimum modes
- Automatic power off

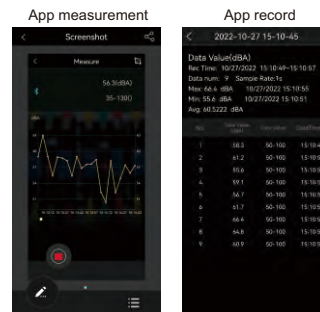
SPECIFICATION

| | | |
|---------------------|------------------------------------------|-------------------|
| List Price (₹) | 7554 | |
| Promotion Price (₹) | 6955 | |
| Measuring depth | 0~50mm | |
| Measuring range | moisture | 0~60% |
| | temperature | -10~50°C/14~122°F |
| | relative humidity | 0~100%RH |
| Accuracy | moisture | ±2% |
| | temperature | ±2% |
| | relative humidity | ±5%RH |
| Resolution | moisture | 0.1% |
| | temperature | 0.1°C/0.1°F |
| | relative humidity | 0.1%RH |
| Sampling time | 0.5s for moisture | |
| | 1s for temperature and relative humidity | |
| Power supply | 2×AAA batteries | |
| Dimension | 130×56×29mm | |
| Weight | 206g | |

STANDARD DELIVERY

| | |
|---------------|-------|
| Main unit | 1 pc |
| Battery (AAA) | 2 pcs |

SOUND LEVEL METER CODE 0010-A35



- Auto range selection
- Over range indication
- Display backlight
- Min/Max, data hold function
- Bluetooth 4.0
- Auto power off
- Supplied with APP for Apple and Android

SPECIFICATION

| | |
|------------------------------------|----------------------------------------|
| List Price (₹) | 7600 |
| Promotion Price (₹) | 6612 |
| Frequency | 31.5Hz~8KHz |
| Measuring range | 35dB~130dB |
| Accuracy | IEC 61672-1:2013 Class 2 |
| Resolution | 0.1dB |
| Frequency weighting | A and C |
| Display update | 2 times/sec |
| Microphone | 1/2 inch electret condenser microphone |
| Power supply | 9V battery |
| Operation temperature and humidity | 0°C~40°C/32°F~104°F, 10%RH~90%RH |
| Dimensions | 185×54×36mm |
| Weight | 184g |

STANDARD DELIVERY

| | |
|------------|------|
| Main unit | 1 pc |
| Battery | 1 pc |
| Windscreen | 1 pc |

DIGITAL SOUND LEVEL METER (ADVANCED TYPE) CODE 9353-413

- Automatic range conversion
- Over range indicator
- Maximum mode
- Data hold
- AC signal output: 0.707Vrms, impedance approx.100Ω
- DC signal output: 20mV/dB, impedance approx.1kΩ



SPECIFICATION

| | |
|---------------------|-----------------------------------------|
| List Price (₹) | 19162 |
| Promotion Price (₹) | 17246 |
| Measuring range | 40dB~130dB (ref.20μPa) |
| Frequency | 20Hz~12.5kHz |
| Resolution | 0.1dB |
| Accuracy | IEC 61672-1:2013 Class 2 |
| Frequency weighting | A weighting |
| Response time | fast (125ms), slow (1s) |
| Microphone | pre polarization condenser microphone |
| Reference direction | axial direction of condenser microphone |
| Power supply | 4×1.5V AAA batteries |
| Dimension | 210×68×27mm |
| Weight | 240g |

STANDARD DELIVERY

| | |
|---------------|-------|
| Main unit | 1 pc |
| Battery (AAA) | 4 pcs |
| Screwdriver | 1 pc |

CONTACT TACHOMETER CODE 9224-213

- Can measure rotary speed, line speed and line length
- Automatically save the maximum value, minimum value and the last value, 96 data can be stored during continuous measurement
- With backlight display



SPECIFICATION

| | | |
|-----------------------|--------------------|-----------------------------------------------------------------------------------------------|
| List Price (₹) | 3848 | |
| Promotion Price (₹) | 3463 | |
| Measuring range | rotary speed | 0.5~19999RPM |
| | line speed | 0.05~500m/min |
| | line length | 0.05~99999m |
| Resolution | rotary speed | 0.1RPM (range 0.5~999.9RPM) 1RPM (range 1000~19999RPM) |
| | line speed | 0.01m/min (range 0.05~99.99m/min) 0.1m/min (range 100~500m/min) |
| | line length | 0.02m |
| Accuracy | rotary speed | ±(0.4%n+1d)RPM (n<300RPM) ±(0.05%n+1d)RPM (n≥300RPM) n is rotary speed, d is resolution |
| | line speed | ±(1%+1d)m/min d is resolution |
| | line length | ±(1%+1d)m d is resolution |
| Sampling time | 0.8s (above 60RPM) | |
| Operation temperature | 0~40°C | |
| Power supply | 3×AA batteries | |
| Dimension | 171×71×35mm | |
| Weight | 162g | |

STANDARD DELIVERY

| | |
|---------------------------|-------|
| Main unit | 1 pc |
| Wheel with 0.1m perimeter | 1 pc |
| Clamping sleeve | 1 pc |
| Cone head | 1 pc |
| Small cone head | 1 pc |
| Cone cavity head | 1 pc |
| Battery (AA) | 3 pcs |



NON-CONTACT TACHOMETER CODE 9223-120

- Accurately measure the rotary speed without contact
- Automatically save the maximum value, minimum value and the last value, 500 data can be stored during continuous measurement



reflection sticker (included)



VIDEO

SPECIFICATION

| | |
|-----------------------|-------------------------------------------------------------|
| List Price (₹) | 2808 |
| Promotion Price (₹) | 2528 |
| Measuring range | 2.5~9999RPM |
| Resolution | 0.1RPM (range 2.5~999.9RPM) 1RPM (range 1000~9999RPM) |
| Accuracy | $\pm(0.05\%n+1d)$ RPM n is rotary speed, d is resolution |
| Laser power | Class 3R, 3mW~4mW |
| Sampling time | 0.6 second (above 100RPM) |
| Measuring distance | 50~500mm |
| Operation temperature | 0~40°C |
| Power supply | 3×AA batteries |
| Dimension | 180×71×29.9mm |
| Weight | 145g |

STANDARD DELIVERY

| | |
|--------------------|-------|
| Main unit | 1 pc |
| Reflection sticker | 3 pcs |
| Battery (AA) | 3 pcs |

CONTACT/NON-CONTACT TACHOMETER CODE 9225-405

- 2 measuring method, contact and non-contact
- Can measure rotary speed and line speed
- Automatically save the maximum value, minimum value and the last value, 500 data can be stored during continuous measurement
- Automatic power off



cone cavity head (included)



small cone head (included)



wheel with 0.1m perimeter (included)



cone head (included)



clamping sleeve (included)



reflection sticker (included)



VIDEO

SPECIFICATION

| | | |
|-----------------------|---------------------|-------------------------------------------------------------|
| List Price (₹) | 4441 | |
| Promotion Price (₹) | 3997 | |
| Measuring method | non-contact | contact |
| Measuring range | rotary speed | 2.5~9999RPM |
| | line speed | — |
| Resolution | rotary speed | 0.1RPM (range 2.5~999.9RPM) 1RPM (range 1000~9999RPM) |
| | line speed | — |
| Accuracy | rotary speed | $\pm(0.05\%n+1d)$ RPM n is rotary speed, d is resolution |
| | line speed | — |
| Laser power | Class 3R, 3mW~4mW | — |
| Sampling time | 0.6s (above 100RPM) | |
| Measuring distance | 50~500mm | — |
| Operation temperature | 0~40°C | |
| Power supply | 3×AA batteries | |
| Dimension | 206×71×36mm | |
| Weight | 170g | |

STANDARD DELIVERY

| | |
|---------------------------|-------|
| Main unit | 1 pc |
| Reflection sticker | 3 pcs |
| Wheel with 0.1m perimeter | 1 pc |
| Clamping sleeve | 1 pc |
| Cone head | 1 pc |
| Small cone head | 1 pc |
| Cone cavity head | 1 pc |
| Battery (AA) | 3 pcs |

SPECTROPHOTOMETER CODE 5701-D40

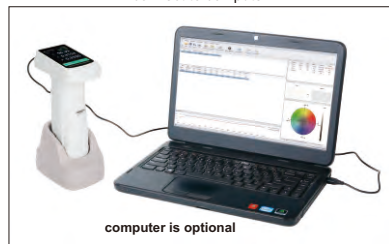
THREE KINDS
OF APERTURE

MATCHING COLOR
CARD QUICKLY

GRATING
SPECTROPHOTOMETRIC

DATA
OUTPUT

connect to computer



computer is optional



measurement



white calibration cavity (included)

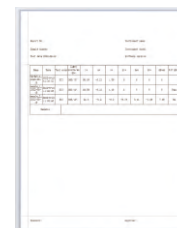


- Conforms with CIE No.15, ISO7724-1, ASTM E1164 and DIN5033 Teil7 standards
- 3.5"IPS full color screen
- Use long life and low power consumption combined LED light source, include UV and exclude UV measurement
- Camera locating function, switchable 11mm/6mm/1×3mm aperture
- Large capacity storage space, over 20,000 measurement data
- Two standard observer angles, a variety of illuminant, a variety of color indexes, conforms with a variety of standard colorimetric data
- Measure sample spectra, accurate Lab data, can be used in color matching and accurate color transmission

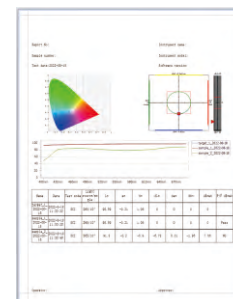
SPECIFICATION

| | | |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| List Price (₹) | ON REQUEST | |
| Promotion Price (₹) | ON REQUEST | |
| Optical geometry | D/8 (diffused illumination/8° direction reception) SCI+SCE (specular component included+specular component excluded) | |
| Integrating sphere size | Ø40mm | |
| Light source | LED (full band balanced LED) +UV | |
| Spectrophotometric mode | grating | |
| Sensor | dual optical path high precise CMOS array sensor | |
| Wavelength range | 400~700nm | |
| Wavelength interval | 10nm | |
| Reflectance measurement range | 0~200% | |
| Reflectance resolution | 0.01% | |
| Display resolution | 0.01 | |
| Illumination area/Aperture | MAV:Ø11mm; SAV:Ø6mm; MINI:1×3mm | |
| Color space | CIE-Lab, CIE-LCh, HunterLab, CIE Luv, XYZ, Yxy, RGB | |
| Color difference formula | ΔE^*ab , ΔE^*cmc , ΔE^*94 , ΔE^*00 | |
| Other colorimetric index | Whiteness (ASTM E313-00, ASTM E313-73, CIE/ISO, AATCC, Hunter, Taube Berger Stensby), Yellowness (ASTM D1925, ASTM 313-00, ASTM E313-73), Blackness (My, dM), Color fastness, Tint (ASTM E313-73) Color density CMYK (A, T, E, M), Milm, Munsell, Opacity, Color strength | |
| Observer angle | 2°/10° | |
| Illuminant | A, B, C, D50, D55, D65, D75, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, CWF, U30, U35, DLF, NBF, T183, T184, Id50, Id65, LED-B1, LED-B2, LED-B3, LED-B4, LED-B5, LED-BH1, LED-RGB1, LED-V1, LED-V2 | |
| Measuring time | about 1.5s | |
| Repeatability | spectral reflectance | within 0.08% of standard deviation |
| | colorimetric values | $\Delta E^*ab \leq 0.025$ (after whiteboard correction, measuring the whiteboard 30 times at 5s interval) |
| Inter-instrument error | $\Delta E^*ab \leq 0.25$ (BCRA series II, average value of 12 color plates) | |
| Output | USB, Bluetooth | |
| Light source lifetime | 10 years, more than 1 million times measurements | |
| Battery | 3.7V/3000mAh, rechargeable 8,000 times continuous tests | |
| Dimension | 95×129×231mm | |
| Weight | 750g | |

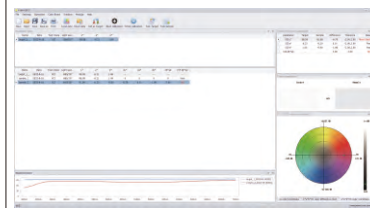
software (included), test can be controlled from the software, display test data, report



text report



graphic report



software

STANDARD DELIVERY

| | |
|--------------------------|-------|
| Main unit | 1 pc |
| White calibration cavity | 1 pc |
| Measuring aperture | 3 pcs |
| USB cable | 1 pc |
| USB disk | 1 pc |
| AC/DC adapter | 1 pc |

COLORIMETER (BASIC TYPE) CODE 5700-LS35



VIDEO

- Conforms with CIE 15, CIE S 005, ISO 7724-1 and ISO 13655 standards
- 3.5-inch IPS display and capacity touch panel
- Contains multiple color cards and can match the closest color code quickly
- QC testing function, can set color difference threshold
- Able to store 1000 colors and 1000 color comparison
- 3.7V/4000mAh battery, 10000 continuous measurements



white calibration cavity
(included)

SPECIFICATION

| | |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| List Price (₹) | 24643 |
| Promotion Price (₹) | 23904 |
| Illumination geometry | D/8, specular component include (SCI) |
| Illumination light source | full spectrum LED light source |
| Measurement conditions | light source D65, field of view 10° |
| Measuring time | about 1s |
| Color space | CIE Lab, Luv, LCh, Yxy, CMYK, RGB, Hex |
| Color difference formula | ΔE^*ab , ΔE^*uv , ΔE^*94 , $\Delta E^*cmc (2:1)$, $\Delta E^*cmc (1:1)$, ΔE^*00 |
| Repeatability | standard deviation ΔE^*ab is within 0.03 (measurement condition: the average value of 30 measurements on the whiteboard at an interval of 3s after calibration) |
| Charging interface | USB (type-C) |
| Dimension | 86×63×158mm |
| Weight | 245g |

STANDARD DELIVERY

| | |
|--------------------------|------|
| Main unit | 1 pc |
| White calibration cavity | 1 pc |
| USB cable | 1 pc |
| AC/DC adapter | 1 pc |
| Cleaning cloth | 1 pc |
| Locating plate | 1 pc |

60° GLOSS METER CODE ISQ-DG6



VIDEO

- To test the gloss of coating, such as painting, varnish, printing ink, etc.
- To test the material surfaces, such as metal, granite, ceramic, plastic, paper, etc.
- According to ISO 2813, ASTM D2457, ASTM D523
- Automatic power off



base with calibration block
(included)



SPECIFICATION

| | |
|---------------------|-------------------|
| List Price (₹) | 56750 |
| Promotion Price (₹) | 51075 |
| Incidence angle | 60° |
| Measuring range | 0~150GU |
| Resolution | 0.1GU |
| Accuracy | ±1.2GU |
| Repeatability | 0.4GU |
| Zero set error | 0.2GU |
| Measuring area | 20×10mm |
| Output | bluetooth |
| Power supply | 1×1.5V AA battery |
| Dimension | 123×38×65mm |
| Weight | 300g |

connect mobile phone via bluetooth
(only Android system)



operate and output data by mobile phone

STANDARD DELIVERY

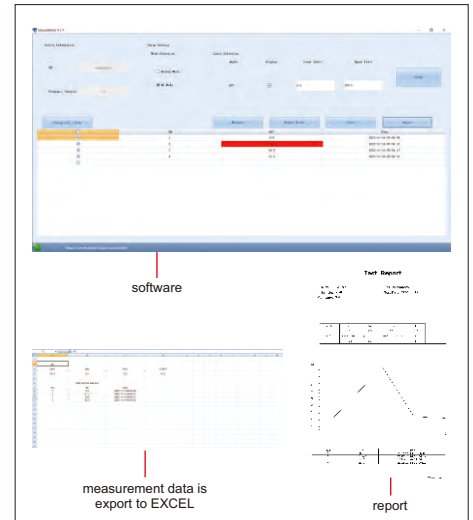
| | |
|-----------------------------|------|
| Main unit | 1 pc |
| Base with calibration block | 1 pc |
| Spare calibration block | 1 pc |

60° GLOSS METER (BASIC TYPE) CODE 5702-DG6

- To test the gloss of coating, such as painting, varnish, printing ink, etc.
- To test the material surfaces, such as metal, granite, ceramic, plastic, paper, etc.
- According to ISO 2813, ISO 7668, ASTM D523, ASTM D2457, DIN 67530
- Automatic judgement after setting high and low limits
- Automatic power off



software (included), test can be controlled from the software, display test data and report



software

measurement data is export to EXCEL

report



base with calibration block (included)

SPECIFICATION

| | |
|---------------------|---------------------------------------------|
| List Price (₹) | 19143 |
| Promotion Price (₹) | 16271 |
| Incidence angle | 60° |
| Measuring range | 0~200GU |
| Resolution | 0.1GU |
| Accuracy | ±1.5GU (range<120GU) ±1.5% (range≥120GU) |
| Repeatability | 0.2GU (range<120GU) 0.2% (range≥120GU) |
| Zero error | 0.1GU |
| Measuring area | 20×10mm |
| Power supply | rechargeable battery |
| Data port | USB |
| Dimension | 135×45×75mm |
| Weight | 237g |

STANDARD DELIVERY

| | |
|-----------------------------|------|
| Main unit | 1 pc |
| Base with calibration block | 1 pc |
| U disk | 1 pc |
| AC/DC adapter | 1 pc |
| USB data cable | 1 pc |
| Cleaning cloth | 1 pc |

VIBRATION PEN CODE 9720-199



- Measure vibration of motors, fans, pumps, compressors and machine tools to prevent mechanical failure
- Small size, light weight, low energy consumption, easy operation, easy to carry
- One key control
- Automatic power off

STANDARD DELIVERY

| | |
|--------------|-------|
| Main unit | 1 pc |
| LR44 battery | 2 pcs |

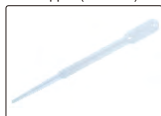
SPECIFICATION

| | |
|-----------------------|-----------------------------------------|
| List Price (₹) | 40723 |
| Promotion Price (₹) | 35836 |
| Measured parameter | speed |
| Measuring range | 0.1~199.9mm/s |
| Frequency | 10Hz~1KHz |
| Accuracy | ±(5%±2)mm/s |
| Operation temperature | 0°C~40°C |
| Operation humidity | <85% |
| Power supply | 2×LR44 batteries (for 10 hours working) |
| Dimension | 150×22×18mm |
| Weight | 55g |

DIGITAL REFRACTOMETER CODE ISQ-DRM31

SUITABLE FOR WATER
BASED COOLANT

dropper (included)



- Quickly measure the concentration of coolant
- Two measurement modes: single measurement and automatic average multiple measurement
- Two units: brix and refractive index
- Refer to the refraction factor of coolant, for example: the refraction factor of grinding emulsion is 2.1, the reading value is 6%, so the actual concentration is (2.1×6%)=12.6%
- Automatic power off

SPECIFICATION

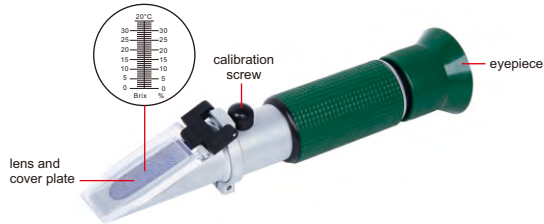
| | |
|---------------------|-------------------------|
| List Price (₹) | 19662 |
| Promotion Price (₹) | 17445 |
| Measuring range | 0~50% (1.3330~1.4200RI) |
| Accuracy | ±0.2% (±0.0003RI) |
| Resolution | 0.1% (0.0001RI) |
| Power supply | 1×AAA battery |
| Dimension | 121×58×25mm |
| Weight | 90g |

STANDARD DELIVERY

| | |
|---------------|------|
| Main unit | 1 pc |
| Dropper | 1 pc |
| Battery (AAA) | 1 pc |

PORTABLE REFRACTOMETER CODE ISQ-RM30

SUITABLE FOR WATER
BASED COOLANT



- Quickly measure the concentration of coolant
- Refer to the refraction factor of coolant, for example: the refraction factor of grinding emulsion is 2.1, the reading value is 6%, so the actual concentration is $(2.1 \times 6\%) = 12.6\%$

SPECIFICATION

| | |
|---------------------|-------------|
| List Price (₹) | 4530 |
| Promotion Price (₹) | 3284 |
| Measuring range | 0~32% |
| Graduation | 0.2% |
| Dimension | 27×40×160mm |
| Weight | 175g |

DIGITAL STOPWATCH CODE DSW-A010



- Split time, total time and continuous time can be displayed
- 10 groups of results can be read out from memory after resetting
- Scroll back and forth to read out the memory digits
- The fastest, slowest and average time can be displayed
- Able to record the split times (00-199)

SPECIFICATION

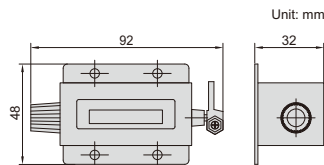
| | | |
|---------------------|--------------------------------------|---------------------------------------------------|
| List Price (₹) | 2650 | |
| Promotion Price (₹) | 2421 | |
| Measuring range | 0~9 hours, 59 minutes, 59.99 seconds | |
| Resolution | 0.01s | |
| Accuracy | ±0.5s | |
| Function | memory | 10 groups |
| | timer | up to 10 hours |
| | time | 12-hour or 24-hour time display, alarm can be set |
| Power supply | LR44 battery | |
| Screen dimension | 33.6×13.6mm | |
| Dimension | 76×63×16mm (metal case) | |

STANDARD DELIVERY

| | |
|-----------|------|
| Main unit | 1 pc |
| String | 1 pc |

STROKE COUNTER CODE 7600-6

- Accumulate and record the number of mechanical movements
- Rotate back to zero



SPECIFICATION

| Code | Number of digits | Range | List Price (₹) | Promotion Price (₹) |
|--------|------------------|----------|----------------|---------------------|
| 7600-6 | 6 | 0-999999 | 507 | 424 |

AC PHASE AND VOLTAGE DETECTOR CODE 9723-400



9723-400

- Non-contact detection of phase sequence, high and low voltage, wire distinction
- Low battery indication
- Auto power off
- Flashlight

SPECIFICATION

| | |
|--------------------------------|-----------------------------------------------------------------------------|
| List Price (₹) | 1303 |
| Promotion Price (₹) | 1173 |
| Phase sequence detection | screen display clockwise or counterclockwise |
| High and low voltage detection | beep: slow~fast backlight: green~red analog bar: low~high |
| Wire distinction | green backlight indicates neutral wire red backlight indicates live wire |
| Power supply | 2×1.5V AAA batteries |
| Dimension | 157×27×23mm |
| Weight | 32g |

**DIGITAL VOLTAGE TESTER
CODE 9721-250**

- Direct AC test (contact): 12-250V
two way display: voltage displays on LCD screen and neon lamp lights up (when voltage>80V)
- Induction AC test (non-contact): 12-250V to detect power source or recognize the phase line, ground line and break point
- Direct DC test (contact): 6-36V instant sense and display
- Work without battery
- Tester tip: CRV material



SPECIFICATION

| | |
|---------------------|------------------------|
| List Price (₹) | 411 |
| Promotion Price (₹) | 376 |
| Range | AC: 12-250V; DC: 6-36V |
| Neon lamp life | 30000 times |
| Dimension | 133×21×19mm |
| Weight | 22g |

**VOLTAGE TESTER
CODE 9722-250**

- Tester tip: CRV material



SPECIFICATION

| | |
|---------------------|--------------|
| List Price (₹) | 212 |
| Promotion Price (₹) | 194 |
| Range | AC: 100-250V |
| Neon lamp life | 30000 times |
| Dimension | 145×Ø15mm |
| Weight | 21g |

**AC DIGITAL CLAMP METER
CODE 9243-CA600**



- Auto/manual ranging
- Maximum mode
- Data hold
- Display backlight
- Work light
- Low battery display
- Auto power off
- Safety rating: CAT III 600V

| | |
|---------------------|------|
| List Price (₹) | 3521 |
| Promotion Price (₹) | 3430 |



probes (included)

SPECIFICATION

| Function | Range | Resolution | Accuracy |
|-------------------|---------------------------|-----------------------|------------|
| DC Voltage | 200mV/2V/20V/200V | 0.1mV/1mV/10mV/0.1V | ±(0.8%+2) |
| | 600V | 1V | ±(1.0%+2) |
| AC Voltage | 2V/20V/200V | 1mV/10mV/0.1V | ±(1.0%+5) |
| | 600V | 1V | ±(1.2%+5) |
| AC Current | 2A (≤0.5A) | 1mA | ±(3.5%+20) |
| | 2A | 1mA | ±(3.0%+10) |
| | 20A | 10mA | ±(3.0%+10) |
| | 200A | 0.1A | ±(2.5%+10) |
| | 600A | 1A | ±(1.5%+5) |
| Resistance | 200Ω/2kΩ/20kΩ/200kΩ/2MΩ | 0.1Ω/1Ω/10Ω/0.1kΩ/1kΩ | ±(1.2%+2) |
| | 20MΩ | 10kΩ | ±(2.0%+5) |
| Diode | open circuit voltage 1.5V | | |
| Continuity buzzer | <50Ω | | |
| Power supply | 3×1.5V AAA batteries | | |
| Dimension | 208×78×35mm | | |
| Weight | 245g | | |

STANDARD DELIVERY

| | |
|--------------|-------|
| Main unit | 1 pc |
| Probe | 2 pcs |
| 1.5V battery | 3 pcs |

PEN-TYPE DIGITAL MULTIMETER CODE 9241-ML200



- Auto/manual ranging
- Maximum mode
- Data hold
- Low battery display
- Auto power off
- Safety rating: CAT III 600V



clips (included)



probe (included)



SPECIFICATION

| Function | Range | Resolution | Accuracy |
|-------------------|------------------------------------------------------------------------------|------------------------|-----------|
| DC Voltage | 200mV/2V/20V/200V/600V | 0.1mV/1mV/10mV/0.1V/1V | ±(0.7%+2) |
| | 200mV/2V/20V/200V | 0.1mV/1mV/10mV/0.1V | ±(0.8%+3) |
| AC Voltage | 600V | 1V | ±(1.0%+3) |
| | | | |
| DC Current | 20mA/200mA | 10µA/0.1mA | ±(1.5%+3) |
| AC Current | 20mA/200mA | 10µA/0.1mA | ±(2.0%+3) |
| Resistance | 200Ω | 0.1Ω | ±(1.0%+3) |
| | 2kΩ/20kΩ/200kΩ/2MΩ | 1Ω/10Ω/0.1kΩ/1kΩ | ±(1.0%+1) |
| | 20MΩ | 10kΩ | ±(1.0%+5) |
| Logic level test | <1.5V (green LED on) 1.5~3.5V (green & red LED off) >3.5V (red LED on) | | |
| Diode | open circuit voltage 1.5V | | |
| Continuity buzzer | <50Ω | | |
| Power supply | 2×1.5V AAA batteries | | |

| | |
|---------------------|------|
| List Price (₹) | 3185 |
| Promotion Price (₹) | 2695 |

STANDARD DELIVERY

| | |
|--------------|-------|
| Main unit | 1 pc |
| Probe | 1 pc |
| Clip | 2 pcs |
| 1.5V battery | 2 pcs |

SMART DIGITAL MULTIMETER CODE 9247-190



- Automatically identify test mode for AC voltage/DC voltage/resistance/continuity
- Non-connection AC voltage detection, and judge the strength by light and buzzer
- Self-calibration when power on to ensure accuracy
- LIVE firewire recognition
- Display backlight
- True RMS
- Data hold
- Low battery display
- Automatic power off
- Safety rating: CAT III 600V



probes (included)

STANDARD DELIVERY

| | |
|------------------|-------|
| Main unit | 1 pc |
| Probe | 2 pcs |
| Battery (CR2032) | 2 pcs |

| | |
|---------------------|------|
| List Price (₹) | 3837 |
| Promotion Price (₹) | 3505 |

SPECIFICATION

| Function | Range | Resolution | Accuracy |
|------------------------|----------------------------------------|----------------------------------------------|-----------|
| DC Voltage | 60mV/600mV/6V/60V/600V | 0.01mV/0.1mV/0.001V/0.01V/0.1V | ±(0.5%+3) |
| AC Voltage | 60mV/600mV/6V/60V/600V | 0.01mV/0.1mV/0.001V/0.01V/0.1V | ±(1.0%+3) |
| DC Current | 6000µA/60mA/600mA | 1µA/0.01mA/0.1mA | ±(1.2%+5) |
| AC Current | 6000µA/60mA/600mA | 1µA/0.01mA/0.1mA | ±(1.5%+5) |
| Resistance | 600Ω/6kΩ/60kΩ/600kΩ | 0.1Ω/0.001kΩ/0.01kΩ/0.1kΩ | ±(1.0%+5) |
| | 6MΩ/60MΩ | 0.001MΩ/0.01MΩ | ±(1.5%+3) |
| Capacitance | 6nF/60nF/600nF/6µF/60µF/600µF | 0.001nF/0.01nF/0.1nF/0.001µF/0.01µF/0.1µF | ±(4.0%+5) |
| | 6mF/60mF | 0.001mF/0.01mF | ±(5.0%+5) |
| Frequency | 10Hz/100Hz/1000Hz/10kHz/100kHz/1000kHz | 0.001Hz/0.01Hz/0.1Hz/0.001kHz/0.01kHz/0.1kHz | ±(1.0%+5) |
| | 10MHz | 0.001MHz | ±(3.0%+5) |
| Duty | 1~99% | 0.1% | ±(3.0%+5) |
| Diode measurement | open circuit voltage 2.0V | | |
| Continuity measurement | <50Ω | | |
| Power | 2×3V CR2032 batteries | | |
| Dimension (LxWxH) | 133×68×18mm | | |
| Weight | 178g | | |

DIGITAL MULTIMETER (WITH JACK INDICATOR LIGHT) CODE 9246-180



- Jack indicator light: jacks flash green to indicate the corresponding jacks for probes
- Non-connection AC voltage detection and judge the strength by light and buzzer
- Self-calibration when power on to ensure accuracy
- LIVE firewire recognition
- Double color backlight (orange backlight prompts high voltage or current: the orange backlight automatically lights up when voltage is higher than 80V or the current is higher than 1A)
- Large range capacitance meter 100mF
- True RMS
- Battery test function
- Max/Min mode
- Data hold
- Low battery display
- Automatic power off
- Safety rating: CAT III 1000V, CAT IV 600V



probes (included)

STANDARD DELIVERY

| | |
|--------------|-------|
| Main unit | 1 pc |
| Probe | 2 pcs |
| Battery (AA) | 2 pcs |

| | |
|---------------------|------|
| List Price (₹) | 3491 |
| Promotion Price (₹) | 3189 |

SPECIFICATION

| Function | Range | Resolution | Accuracy |
|------------------------|---------------------------------------------------|----------------------------------------------|-----------|
| DC Voltage | 600mV/6V/60V/600V/1000V | 0.1mV/0.001V/0.01V/0.1V/1V | ±(0.5%+3) |
| AC Voltage | 6V/60V/600V/750V | 0.001V/0.01V/0.1V/1V | ±(0.8%+5) |
| DC Current | 60μA/60mA/600mA/10A | 0.01μA/0.01mA/0.1mA/0.01A | ±(1.2%+3) |
| AC Current | 60mA/600mA/10A | 0.01mA/0.1mA/0.01A | ±(1.5%+3) |
| Resistance | 600Ω/6kΩ/60kΩ/600kΩ | 0.1Ω/0.001kΩ/0.01kΩ/0.1kΩ | ±(1.0%+3) |
| | 6MΩ/60MΩ | 0.001MΩ/0.01MΩ | ±(1.5%+3) |
| Capacitance | 10nF/100nF/1000nF/10μF/100μF/1000μF | 0.001nF/0.01nF/0.1nF/0.001μF/0.01μF/0.1μF | ±(4.0%+5) |
| | 10mF/100mF | 0.001mF/0.01mF | ±(5.0%+5) |
| Frequency | 10Hz/100Hz/1000Hz/10kHz/100kHz/1000kHz | 0.001Hz/0.01Hz/0.1Hz/0.001kHz/0.01kHz/0.1kHz | ±(1.0%+3) |
| | 10MHz | 0.001MHz | ±(3.0%+3) |
| Duty | 1~99% | 0.1% | ±(3.0%+3) |
| Diode measurement | forward DC current 2.5mA, reverse DC voltage 3.0V | | |
| Continuity measurement | <30Ω | | |
| Power | 2x1.5V AA batteries | | |
| Dimension (LxWxH) | 188×88×50mm | | |
| Weight | 424g | | |

DIGITAL MULTIMETER CODE 9242-ML100

- Data hold
- Display backlight
- Low battery display
- Safety rating: CAT II 600V

| | |
|---------------------|------|
| List Price (₹) | 1615 |
| Promotion Price (₹) | 1390 |



SPECIFICATION

| Function | Range | Resolution | Accuracy |
|-------------------|-----------------------------|---------------------|------------|
| DC Voltage | 200mV/2V/20V/200V | 0.1mV/1mV/10mV/0.1V | ±(0.5%+3) |
| | 600V | 1V | ±(0.8%+5) |
| AC Voltage | 200V/600V | 0.1V/1V | ±(1.2%+10) |
| DC Current | 200μA/2mA | 0.1μA/1μA | ±(1.0%+3) |
| | 20mA | 10μA | ±(1.0%+5) |
| | 200mA | 0.1mA | ±(1.5%+5) |
| | 10A | 10mA | ±(3.0%+10) |
| Resistance | 200Ω | 0.1Ω | ±(0.8%+5) |
| | 2kΩ/20kΩ/200kΩ | 1Ω/10Ω/0.1kΩ | ±(0.8%+2) |
| | 2MΩ | 1kΩ | ±(1.0%+5) |
| Diode | open circuit voltage 3.0V | | |
| Continuity buzzer | <70±30Ω | | |
| Transistor hFE | measuring range 0~1000 | | |
| Power supply | 1×9V 6F22/NEDA 1604 battery | | |

STANDARD DELIVERY

| | |
|------------|-------|
| Main unit | 1 pc |
| Probe | 2 pcs |
| 9V battery | 1 pc |



probes (included)

PORTABLE CONDUCTIVITY/TDS METER CODE 0411-0200

- Reading mode: auto-read and continuous-read
- Automatic/manual temperature compensation
- Auto-hold feature senses and locks the measurement endpoint
- Cell constant is settable
- 1 point calibration with standard recognition
- Data capacity up to 200 sets for each parameter
- IP65 dust/waterproof
- Auto power off



VIDEO

SPECIFICATION

| | | |
|---------------------|-----------------------------------------|--------------------|
| List Price (₹) | | 36631 |
| Promotion Price (₹) | | 31869 |
| Conductivity | range | 0.00µS/cm~200mS/cm |
| | resolution | 0.01µS/cm minimum |
| | accuracy | ±1.0%FS |
| | reference temperature | 25°C/77°F |
| | calibration point | 1 |
| TDS | range | 0.00mg/L~300g/L |
| | resolution | 0.01mg/L minimum |
| | accuracy | ±1.0%FS |
| Temperature | range | -5~110°C/23~230°F |
| | resolution | 0.1°C/0.2°F |
| | accuracy | ±0.2°C/±0.4°F |
| Input | electrode with 5-pin aviation connector | |
| Power supply | rechargeable battery | |
| Dimension | 80×225×35mm | |
| Weight | 400g | |



IP65
WATERPROOF



wristband (included)



standard solution (included)

STANDARD DELIVERY

| | |
|----------------------------------|----------|
| Main unit | 1 pc |
| Electrode | 1 pc |
| Electrode holder | 2 pcs |
| Wristband | 1 pc |
| Silicone rubber case | 1 pc |
| AC/DC adapter and charging cable | 1 pc |
| Standard solution | 1 bottle |

PORTABLE pH METER CODE 0431-0018

- Reading mode: auto-read and continuous-read
- Automatic/manual temperature compensation
- Auto-hold feature senses and locks the measurement endpoint
- 1 or 2 points calibration with standard recognition
- Data capacity up to 200 sets for each parameter
- IP65 dust/waterproof
- Auto power off



IP65
WATERPROOF



VIDEO

SPECIFICATION

| | | |
|---------------------|-----------------------------------------------------------------|------------------------------------|
| List Price (₹) | | 31228 |
| Promotion Price (₹) | | 27168 |
| pH | range | -2.00~18.00pH |
| | resolution | 0.01pH |
| | accuracy | ±0.01pH |
| | calibration point | 1 or 2 |
| | standard recognition | NIST pH buffers: 4.01, 7.00, 10.01 |
| Voltage | range | -1999~1999mV |
| | resolution | 1mV |
| | accuracy | ±0.1%FS |
| Temperature | range | -5~110°C/23~230°F |
| | resolution | 0.1°C/0.2°F |
| | accuracy | ±0.2°C/±0.4°F |
| Inputs | pH electrode: BNC (Q9) temp. probe: 4-pin aviation connector | |
| Power supply | rechargeable battery | |
| Dimension | 80×225×35mm | |
| Weight | 400g | |



KCL powder (included)



wristband (included)



standard solution (included)

STANDARD DELIVERY

| | |
|----------------------------------|-----------|
| Main unit | 1 pc |
| Electrode | 1 pc |
| Electrode holder | 2 pcs |
| Wristband | 1 pc |
| Silicone rubber case | 1 pc |
| AC/DC adapter and charging cable | 1 pc |
| Standard solution | 3 bottles |
| KCL powder | 1 bottle |

BOURDON TUBE PRESSURE GAGES (LIQUID FILLED)

CAN BE CUSTOMIZED

- Stainless steel case and bezel, copper alloy internals
- Shock-proof and pulse-proof
- Suitable for pneumatic system, hydraulic system and compressed air system



5201-63B2Y10

SPECIFICATION

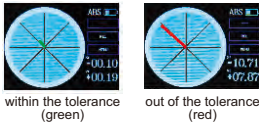
| | |
|---------------------|----------|
| Accuracy class | 1.6 |
| Ambient temperature | -20~60°C |
| Medium temperature | ≤60°C |

| | | | |
|--------------------------|--------------|--------------|--------------|
| Dial size | Ø63mm | | |
| Process connection | 1/4BSP | 1/4ZG | 1/4NPT |
| Connector location | Bottom | Bottom | Bottom |
| Range (0~10bar/0~150psi) | 5201-63B2Y10 | 5201-63Z2Y10 | 5201-63N2Y10 |
| List Price (₹) | 1026 | 1026 | 1026 |
| Promotion Price (₹) | 718 | 718 | 718 |

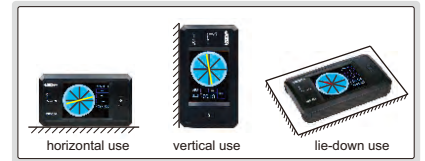
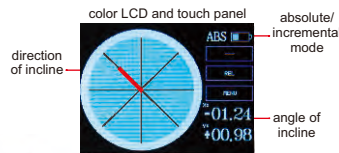
DIGITAL LEVEL CODE ISE-2DT

DATA OUTPUT

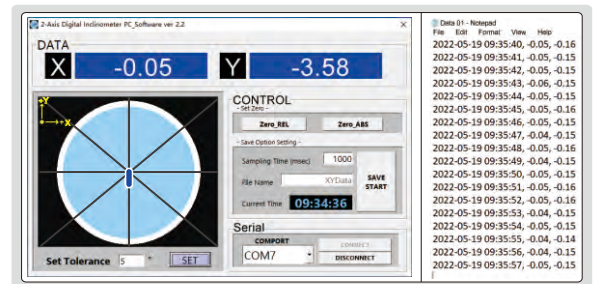
- Color LCD, touch panel
- X-Y axis measurement
- Set the tolerance and the display is shown in different colors



- To show the incline with line or bubble



PC software (optional), send data to txt



SPECIFICATION

| | |
|---------------------|-------------------------------------------|
| List Price (₹) | 49650 |
| Promotion Price (₹) | 48161 |
| Measuring range | ±30° |
| Resolution | 0.1°, 0.01°, 0.1mm/m |
| Accuracy | ±0.03° (range 0~3°) ±0.05° (range >3°) |
| Power supply | rechargeable battery |
| Dimension | 115×66×25mm |
| Weight | 224g |



STANDARD DELIVERY

| | |
|-----------|------|
| Main unit | 1 pc |
| USB cable | 1 pc |

OPTIONAL ACCESSORY

| | |
|----------|------------------|
| Software | ISE-2DT-SOFTWARE |
|----------|------------------|

DIGITAL LEVEL AND SLOPE METER

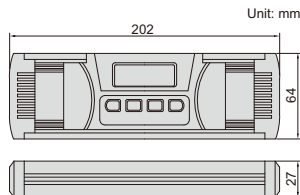
BACKLIGHT

BUZZER ALARM AT 0° AND 90°

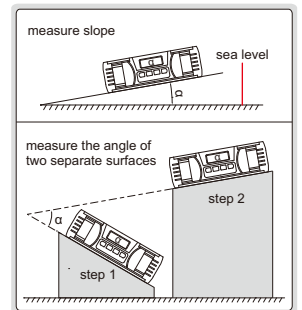
WORKING TEMPERATURE -5°C~50°C

IP67 WATERPROOF

ABSOLUTE LEVEL



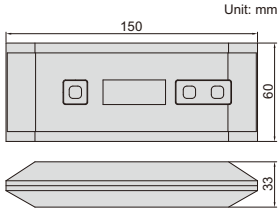
2175-360



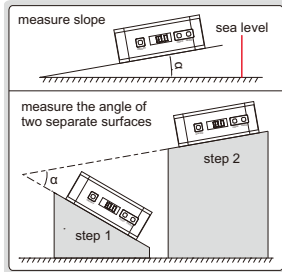
- IP67 dust/waterproof
- Used as level and slope meter
- Aluminum frame, shock absorbing rubber end caps
- Magnetic bottom with V-groove for shafts
- The sea level is permanently set inside the chip, zero setting is not needed when batteries are replaced
- Buttons: ON/OFF, backlight/buzzer alarm, absolute and incremental measurement, unit (mm/m, %, °), HOLD (keep the reading)
- Three AAA batteries, automatic power off

| Code | Range | Resolution | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|----------------|--------------------|------------------------------------|----------------|---------------------|
| 2175-360 | 0-360° (90°x4) | 0.05° (=0.873mm/m) | at 0°: ±0.05°; at others: ±0.1° | 5387 | 5118 |

DIGITAL LEVEL AND SLOPE METER



2173-360



- Resolution: 0.1° (=1.745mm/m)
- Aluminum frame
- Used as level and slope meter
- Magnetic bottom with V-groove for shafts
- Zero setting can be made on any plain surfaces
- Buttons: ON/OFF, ZERO, HOLD (keep the reading)
- CR2032 battery
- Automatic power off

| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|----------------|----------------------------------------|----------------|---------------------|
| 2173-360 | 0-360° (90°x4) | at 0° and 90°: ±0.1°, at others: ±0.2° | 6758 | 4394 |

DIGITAL LEVEL AND SLOPE METER

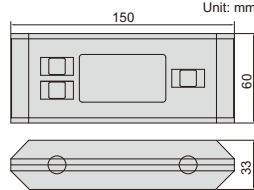
BUZZER ALARM AT 0° AND 90°

WORKING TEMPERATURE -5°C ~ 50°C

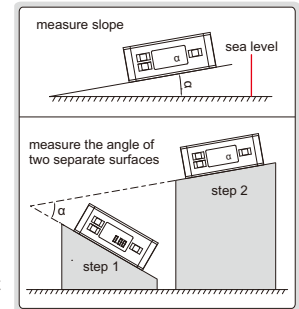
IP54 WATERPROOF

ABSOLUTE LEVEL

BACKLIGHT



2179-360



- Resolution: 0.05° (=0.873mm/m)
- IP54 dust/waterproof
- Used as level and slope meter
- Aluminum frame
- Magnetic bottom with V-groove for shafts
- The sea level is permanently set inside the chip, zero setting is not needed when battery is replaced
- Buttons: ON/OFF, absolute and incremental measurement, unit (mm/m, %, in/ft), conversion, backlight
- Two AAA batteries, automatic power off

| Code | Range | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|----------------|----------------------------------------|----------------|---------------------|
| 2179-360 | 0-360° (90°x4) | at 0° and 90°: ±0.1°, at others: ±0.2° | 7180 | 4835 |

DIGITAL LEVEL AND SLOPE METER

MAGNETIC BOTTOM

ABSOLUTE LEVEL

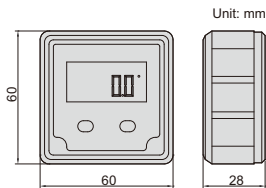
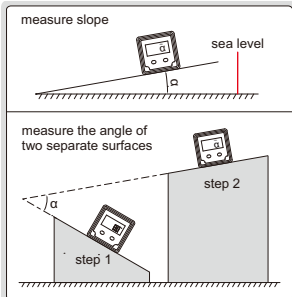
WORKING TEMPERATURE -5°C~50°C

BACKLIGHT

DISPLAY FLIPS OVER WHEN THE BOTTOM FACES UP



2170-1

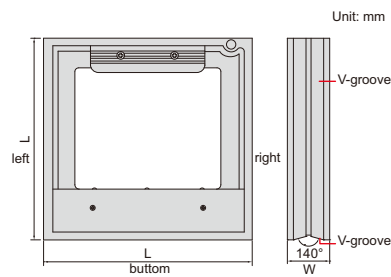


- Used as level and slope meter
- Aluminum frame, magnetic bottom
- The display flips over when the bottom faces up
- The backlight is on automatically when in use, and automatically off in 15 seconds after use
- The sea level is permanently set inside the chip, zero setting is not needed when battery is replaced
- Buttons: ON/OFF, ZERO, absolute and incremental measurement
- One AAA battery, automatic power off in 5 minutes



| Code | Range | Resolution | Accuracy | List Price (₹) | Promotion Price (₹) |
|--------|-------|-------------------|----------------------------------------|----------------|---------------------|
| 2170-1 | 4x90° | 0.1° (=1.745mm/m) | at 0° and 90°: ±0.1°, at others: ±0.2° | 3024 | 2061 |

FRAME LEVELS



4902-200

- V-groove on bottom and left for shafts (shafts dia. 15~68mm)
- With transverse vial



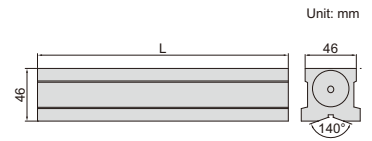
Sensitivity 0.02mm/m (=0.001°)

| Code | Size (LxL) | W | List Price (₹) | Promotion Price (₹) |
|----------|------------|------|----------------|---------------------|
| 4902-150 | 150x150mm | 40mm | 9941 | 8947 |
| 4902-200 | 200x200mm | 40mm | 11372 | 10235 |
| 4902-300 | 300x300mm | 45mm | 16640 | 14976 |

Sensitivity 0.05mm/m (=0.0029°)

| Code | Size (LxL) | W | List Price (₹) | Promotion Price (₹) |
|-----------|------------|------|----------------|---------------------|
| 4902-C150 | 150x150mm | 40mm | 9604 | 8644 |
| 4902-C200 | 200x200mm | 40mm | 12962 | 10110 |
| 4902-C300 | 300x300mm | 45mm | 16156 | 14540 |

BLOCK LEVELS



- V-groove on bottom for shafts (shafts dia. 15~68mm)
- With transverse vial

4903-200A

Sensitivity 0.02mm/m (=0.001°)

Sensitivity 0.05mm/m (=0.0029°)

| Code | Length (L) | List Price (₹) | Promotion Price (₹) |
|-----------|------------|----------------|---------------------|
| 4903-150A | 150mm | 10462 | 7637 |
| 4903-200A | 200mm | 11123 | 8342 |
| 4903-300A | 300mm | 13779 | 10748 |

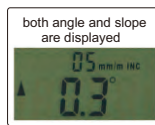
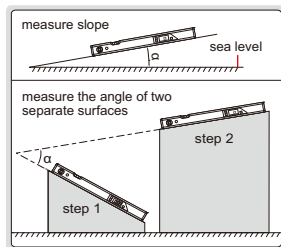
| Code | Length (L) | List Price (₹) | Promotion Price (₹) |
|-----------|------------|----------------|---------------------|
| 4903-C150 | 150mm | 9355 | 7484 |
| 4903-C200 | 200mm | 10125 | 8303 |
| 4903-C300 | 300mm | 12186 | 10358 |

DIGITAL LEVELS AND SLOPE METERS

WORKING TEMPERATURE
0°C ~ 50°C

BACKLIGHT

ABSOLUTE LEVEL



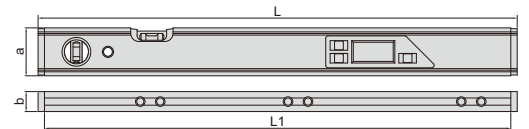
4910-400



4910-600



- With transverse and longitudinal vials
- Used as level and slope meter
- Aluminum frame, magnetic bottom
- The sea level is permanently set inside the chip, zero setting is not needed when batteries are replaced
- Buttons: ON/OFF, absolute and incremental measurement, keep the reading, buzzer alarm (not for 4910-400), unit (mm/m, %, in/ft), conversion (not for 4910-400), backlight
- The display flips over when the bottom faces up
- Two AAA batteries, automatic power off



| Code | Range | Resolution | Accuracy | Remark | L | L1 | a | b | List Price (₹) | Promotion Price (₹) |
|----------|----------------|------------------------------------------------------------------|----------------------------------------|------------------------------------|-----|-----|----|----|----------------|---------------------|
| 4910-400 | 0~360° (90°×4) | angle: 0.1°; slope: 1mm/m | ±0.2° | both angle and slope are displayed | 416 | 400 | 50 | 21 | 2290 | 2221 |
| 4910-600 | 0~360° (90°×4) | at 0° and 90°: 0.05° (=0.8725mm/m); at others: 0.1° (=1.745mm/m) | at 0° and 90°: ±0.1°; at others: ±0.2° | at 0° and 90° buzzer alarms | 600 | 585 | 60 | 25 | 6040 | 4393 |

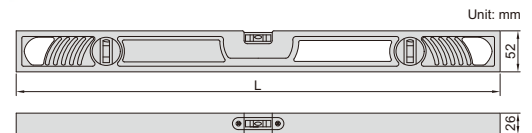
ALUMINUM ALLOY LEVELS

LIFETIME WARRANTY VIALS

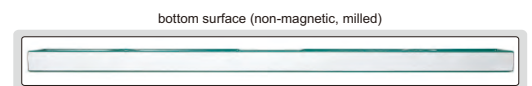


4911-600

- Top and bottom working surfaces
- Shock-proof and UV-proof vials
- Die casting aluminum alloy frame
- Zero position of horizontal vial can be set
- One graduation of horizontal vial is 2% slope
- Working temperature: -15°C~55°C



| Code | Length (L) | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|------------|----------|----------------|---------------------|
| 4911-600 | 600mm | 0.5mm/m | 2132 | 1894 |
| 4911-800 | 800mm | 0.5mm/m | 2366 | 2103 |



HANDY LEVEL

MAGNETIC BASE

LIFETIME WARRANTY VIALS

packaging

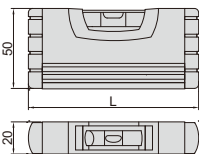


4912-100

magnetic base surface



Unit: mm



- Shockproof vials
- Magnetic base
- Shock absorbing rubber end caps
- Working temperature: -15°C~55°C

| Code | Size (L) | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|----------|----------|----------------|---------------------|
| 4912-100 | 100mm | 0.5mm/m | 573 | 490 |

CAST ALUMINUM LEVEL

LIFETIME WARRANTY VIALS

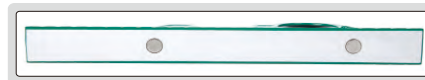
MAGNETIC BASE

packaging

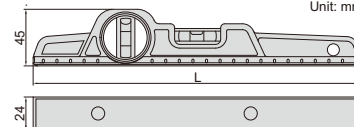


4913-250

magnetic bottom surface (milled)



Unit: mm



- Shockproof horizontal and vertical vials
- Magnetic base
- Working temperature: -15°C~55°C
- Cast aluminum body

| Code | Size (L) | Accuracy | List Price (₹) | Promotion Price (₹) |
|----------|----------|----------|----------------|---------------------|
| 4913-250 | 250mm | 0.5mm/m | 975 | 835 |

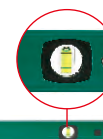
ALUMINUM LEVELS

LIFETIME WARRANTY VIALS

MAGNETIC BASE



4914-600



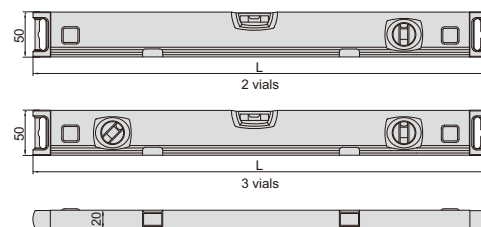
4914-2000

- Shockproof horizontal and vertical vials
- Magnetic base
- Shock absorbing rubber end caps
- Working temperature: -15°C~55°C

magnetic bottom surface (milled)



Unit: mm



| Code | Size (L) | Accuracy | Number of vials | List Price (₹) | Promotion Price (₹) |
|-----------|----------|----------|-----------------|----------------|---------------------|
| 4914-300 | 300mm | 0.5mm/m | 2 | 1072 | 891 |
| 4914-600 | 600mm | 0.5mm/m | 2 | 1381 | 1182 |
| 4914-1000 | 1000mm | 0.5mm/m | 2 | 1976 | 1691 |
| 4914-2000 | 2000mm | 0.5mm/m | 3 | 3958 | 3311 |

ALUMINUM ALLOY LEVELS (WITH ROTARY VIAL)

LIFETIME WARRANTY VIALS

- Shockproof and UV-proof vials
- Horizontal, vertical and rotary vials
- Rotary vial, range: 0°~360°, graduation: 5°
- Plumb window
- Shock absorbing rubber end caps
- Working temperature: -15°C~55°C



VIDEO

window to see vertical vial

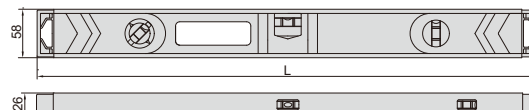


4920-600

rotary vial

vertical vial

Unit: mm



| Code | Length (L) | Accuracy | List Price (₹) | Promotion Price (₹) |
|-----------|------------|----------|----------------|---------------------|
| 4920-400 | 400mm | 0.5mm/m | 1208 | 1087 |
| 4920-600 | 600mm | 0.5mm/m | 1639 | 1475 |
| 4920-800 | 800mm | 0.5mm/m | 1965 | 1769 |
| 4920-900 | 900mm | 0.5mm/m | 2173 | 1956 |
| 4920-1000 | 1000mm | 0.5mm/m | 2381 | 2143 |
| 4920-1200 | 1200mm | 0.5mm/m | 2797 | 2517 |

ALUMINUM ALLOY LEVELS (BASIC TYPE)

LIFETIME WARRANTY VIALS

MAGNETIC BASE

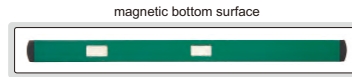


4918-300

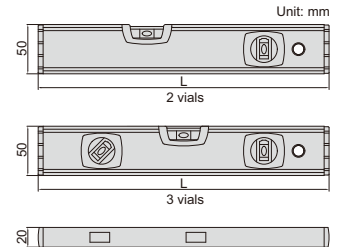


4918-2000

- Accuracy: 1mm/m
- Shock-proof and UV-proof vials
- Magnetic base
- Shock absorbing rubber end caps
- Working temperature: -15°C~55°C



| Code | Size (L) | Number of vials | List Price (₹) | Promotion Price (₹) |
|-----------|----------|-----------------|----------------|---------------------|
| 4918-300 | 300mm | 2 | 972 | 812 |
| 4918-600 | 600mm | 2 | 1159 | 970 |
| 4918-800 | 800mm | 2 | 1310 | 1096 |
| 4918-1000 | 1000mm | 2 | 1452 | 1214 |
| 4918-1200 | 1200mm | 2 | 1592 | 1331 |
| 4918-2000 | 2000mm | 3 | 2750 | 2301 |



CROSS-LINE LASER LEVEL CODE 4917-30



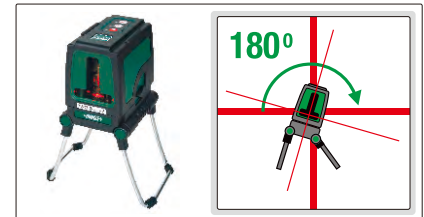
IP54
WATERPROOF

AUDIBLE AND VISUAL
WARNING WHEN OUT OF ±3°

- Red horizontal and vertical cross laser lines
- Self-leveling within ±3°, self-leveling time within 4s, audible and visual warning when out of ±3°
- Folding legs for angle and height adjustment
- Outdoor use with the detector (code: 4917-DETECTOR)



folding legs for angle and height adjustment



application examples



SPECIFICATION

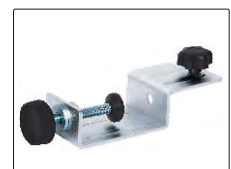
| | |
|-----------------------|----------------------------------------------------|
| List Price (₹) | 7730 |
| Promotion Price (₹) | 6874 |
| Laser line width | 2±0.5mm (within 5m) |
| Laser type | 630~660nm, class II, <1mW |
| Beam angle | 120±0.5° |
| Self-leveling range | ±3° |
| Working distance | indoor: 30m, outdoor: 50m with detector (optional) |
| Accuracy | 0.2mm/m |
| Operation temperature | -10~40°C |
| Power supply | 3×AA batteries, for 3 hours operation |
| Dimension | 100×82×104mm |
| Weight | 620g |

STANDARD DELIVERY

| | |
|-----------------------------|-------|
| Main unit | 1 pc |
| 1/4" to 5/8" tripod adaptor | 1 pc |
| Battery (AA) | 3 pcs |



outdoor detector (optional)



stand
(included with outdoor detector)

OPTIONAL ACCESSORY

Outdoor detector 4917-DETECTOR

OUTDOOR DETECTOR (OPTIONAL)

| | |
|---------------------|-------------------------------------------|
| Detecting distance | horizontal 1~50m, vertical 1~30m |
| Detecting accuracy* | high accuracy ±1.5mm, low accuracy ±2.5mm |
| Power supply | 9V battery |
| Dimension | 168×58×30mm |
| Weight | 140g (battery included) |

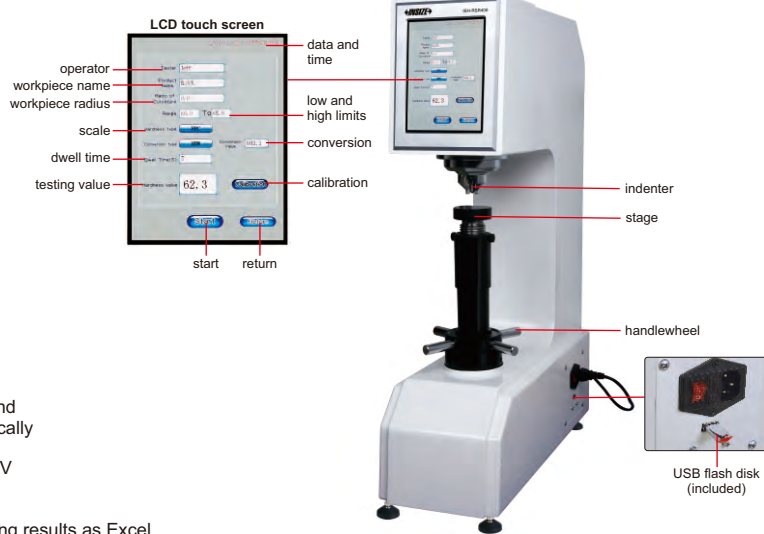
*Use high accuracy detection mode within 15m, use low accuracy detection mode over 15m

MOTORIZED DIGITAL ROCKWELL HARDNESS TESTER CODE ISH-RSR400

FORCE LOADING BY ELECTRIC MOTOR (WITHOUT WEIGHTS)

DATA OUTPUT

INSPECTION CERTIFICATE



- Automatic testing, the preliminary and main test force are loaded automatically
- LCD touch screen, easy operation
- Convert to other Rockwell scales, HV or HB automatically
- Tolerance testing
- Insert USB flash disk, save the testing results as Excel
- Self-correcting the hardness value for curved workpieces
- Force loading by electric motor (without weights)
- The test force is selected automatically according to hardness scale
- According to ISO 6508



SPECIFICATION

| | | |
|------------------------|--------------------------------------------------------------|---------------------------------------------|
| List Price (₹) | ON REQUEST | |
| Promotion Price (₹) | ON REQUEST | |
| Type | Rockwell | |
| Hardness scale | with standard indenters | HRA, HRB, HRC, HRD, HRF, HRG |
| | with optional indenters | HRE, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV |
| Preliminary test force | 98N/10kgf for Rockwell | |
| Test force | 588N (60kg), 980N (100kg), 1471N (150kg) | |
| Stage elevation | manual | |
| Load control | automatic (load/dwell/unload) | |
| Load dwell time | 0-60 second | |
| Resolution | 0.1HR | |
| Output | USB | |
| Max. workpiece height | 220mm | |
| Max. testing width | 200mm (from the center of indenter to the wall of main body) | |
| Power supply | 220V, 50/60Hz | |
| Dimension | 510×260×780mm | |
| Weight | 70kg | |

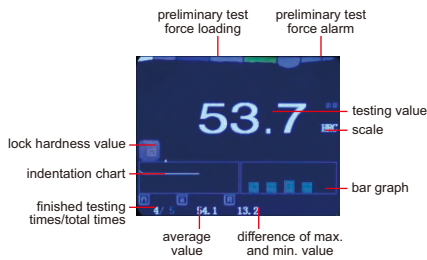
STANDARD DELIVERY

| | |
|---------------------------------|------|
| Main unit | 1 pc |
| Ø63mm flat anvil | 1 pc |
| Ø150mm flat anvil | 1 pc |
| V-type anvil | 1 pc |
| Diamond indenter | 1 pc |
| Ø1.5875mm carbide ball indenter | 1 pc |
| Hardness test block HRB88-95 | 1 pc |
| Hardness test block HRC60-65 | 1 pc |
| Hardness test block HRC20-30 | 1 pc |
| USB flash disk (8G) | 1 pc |
| Level | 1 pc |
| Touch pen | 1 pc |
| Anti-dust cover | 1 pc |

OPTIONAL ACCESSORY

| | |
|--------------------------------|----------------|
| Hardness test block HRB88-100 | HDT-B-HRB |
| Hardness test block HRC60-70 | HDT-B-HRC3 |
| Hardness test block HRC20-30 | HDT-B-HRC1 |
| Hardness test block 78-88HR15N | HDT-B-HR15N2 |
| Hardness test block 55-73HR30N | HDT-B-HR30N2 |
| Hardness test block 73-82HR30T | HDT-B-HR30T |
| Small V-type anvil | ISH-SMALLANVIL |
| Desk | HDT-DESK |

MOTORIZED DIGITAL ROCKWELL HARDNESS TESTER CODE ISH-MRD200



software CD (included)

- Tolerance testing
- Set testing times (2~10) to have average value and the difference of max. and min. value
- Convert to other Rockwell scales, HV or HB
- Memory of 500 testing values for browsing and output
- Testing value can be sent to wireless printer automatically
- Calibration function compensates the testing value for high accuracy
- The hardness value of soft materials like plastic is not stable, the lock function can obtain the value automatically
- Display unit is automatic power off
- According to ISO 6508

SPECIFICATION

| | |
|----------------------------------|--------------------------------------------------------------------------------------------------|
| List Price (₹) | 222565 |
| Promotion Price (₹) | 199679 |
| Hardness scale | HRA, HRB, HRC, HRD, HRF, HRG (with standard indenters) HRE, HRH, HRK (with optional indenter) |
| Preliminary test force | 98N |
| Test force | 588N, 980N, 1471N |
| Stage elevation | manual |
| Load control | automatic (load/dwell/unload) |
| Load dwell time | 1~99 second |
| Resolution | 0.1HR |
| Output | wireless and USB |
| Memory | 500 |
| Max. workpiece height | 170mm |
| Max. testing width | 165mm (from the center of indenter to the wall of main body) |
| Power supply of the display unit | built-in rechargeable battery |
| Power supply | 220V, 50/60Hz |
| Dimension | 520×160×700mm |
| Weight | 60kg |



Ø60mm flat anvil (included)



Ø150mm flat anvil (included)



wireless printer (optional)



small V-type anvil (optional) for cylinders with diameter Ø2-4mm



V-type anvil (included) for cylinders with diameter Ø4-60mm



desk (optional)

STANDARD DELIVERY

| | |
|---------------------------------|------|
| Main unit | 1 pc |
| Ø60mm flat anvil | 1 pc |
| Ø150mm flat anvil | 1 pc |
| V-type anvil | 1 pc |
| Diamond indenter | 1 pc |
| Ø1.5875mm carbide ball indenter | 1 pc |
| Hardness test block HRB88~95 | 1 pc |
| Hardness test block HRC60~65 | 1 pc |
| Hardness test block HRC20~30 | 1 pc |
| Anti-dust cover | 1 pc |
| Software and USB cable | 1 pc |
| AC/DC adapter | 1 pc |

OPTIONAL ACCESSORY

| | |
|--------------------------------|------------------|
| Wireless printer | ISH-DS-PRINTER |
| Ø3.175mm carbide ball indenter | ISH-EHK-INDENTER |
| Hardness test block HRB88~100 | HDT-B-HRB |
| Hardness test block HRC60~70 | HDT-B-HRC3 |
| Hardness test block HRC20~30 | HDT-B-HRC1 |
| Small V-type anvil | ISH-SMALLANVIL |
| Desk | HDT-DESK |

MOTORIZED ROCKWELL HARDNESS TESTER (BASIC TYPE) CODE HDT-RA151

■ According to ISO 6508

SPECIFICATION

| | |
|------------------------|--------------------------------------------------------------|
| List Price (₹) | 124455 |
| Promotion Price (₹) | 106675 |
| Hardness scale | HRA, HRB, HRC, HRD, HRF, HRG |
| Preliminary test force | 98N |
| Test force | 588N, 980N, 1471N |
| Display | analogue |
| Stage elevation | manual |
| Load control | automatic (load/dwell/unload) |
| Load dwell time | 1~60 second |
| Min. reading | 0.5HR |
| Max. workpiece height | 170mm |
| Max. testing width | 128mm (from the center of indenter to the wall of main body) |
| Power supply | 220V, 50/60Hz |
| Dimension | 520×225×640mm |
| Weight | 65kg |

OPTIONAL ACCESSORY

| | |
|-------------------------------|----------------|
| Hardness test block HRA80~84 | HDT-B-HRA |
| Hardness test block HRB88~100 | HDT-B-HRB |
| Hardness test block HRC20~30 | HDT-B-HRC1 |
| Hardness test block HRC35~55 | HDT-B-HRC2 |
| Hardness test block HRC60~70 | HDT-B-HRC3 |
| Small V-type anvil | ISH-SMALLANVIL |
| Desk | HDT-DESK |



Ø58mm flat anvil (included)



Ø150mm flat anvil (included)



V-type anvil (included) for cylinders with diameter Ø4~60mm



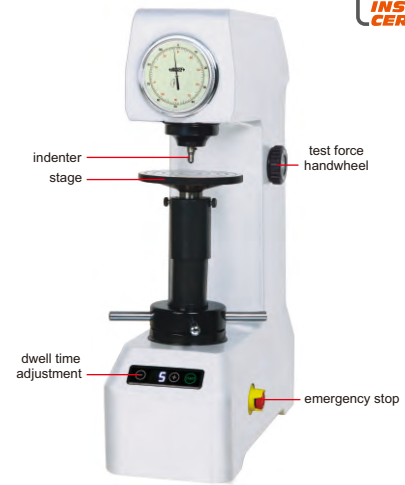
level (included)



small V-type anvil (optional) for cylinders with diameter Ø2~4mm



desk (optional)



INSPECTION
CERTIFICATE

STANDARD DELIVERY

| | |
|-------------------------------|------|
| Main unit | 1 pc |
| Ø58mm flat anvil | 1 pc |
| Ø150mm flat anvil | 1 pc |
| V-type anvil | 1 pc |
| Diamond indenter | 1 pc |
| Ø1.5875mm steel ball indenter | 1 pc |
| Level | 1 pc |
| Hardness test block HRA80~88 | 1 pc |
| Hardness test block HRB85~95 | 1 pc |
| Hardness test block HRC20~30 | 1 pc |
| Hardness test block HRC35~55 | 1 pc |
| Hardness test block HRC60~70 | 1 pc |
| Anti-dust cover | 1 pc |

MANUAL ROCKWELL HARDNESS TESTER (BASIC TYPE) CODE HDT-RW160

■ According to ISO 6508

STANDARD DELIVERY

| | |
|-------------------------------|-------|
| Main unit | 1 pc |
| Ø58mm flat anvil | 1 pc |
| Ø150mm flat anvil | 1 pc |
| V-type anvil | 1 pc |
| Diamond indenter | 1 pc |
| Ø1.5875mm steel ball indenter | 1 pc |
| Ø1.5875mm steel ball | 5 pcs |
| Level | 1 pc |
| Hardness test block HRA80~88 | 1 pc |
| Hardness test block HRB85~95 | 1 pc |
| Hardness test block HRC20~30 | 1 pc |
| Hardness test block HRC35~55 | 1 pc |
| Hardness test block HRC60~70 | 1 pc |
| Anti-dust cover | 1 pc |

OPTIONAL ACCESSORY

| | |
|-------------------------------|----------------|
| Hardness test block HRA80~84 | HDT-B-HRA |
| Hardness test block HRB88~100 | HDT-B-HRB |
| Hardness test block HRC20~30 | HDT-B-HRC1 |
| Hardness test block HRC35~55 | HDT-B-HRC2 |
| Hardness test block HRC60~70 | HDT-B-HRC3 |
| Small V-type anvil | ISH-SMALLANVIL |
| Desk | HDT-DESK |



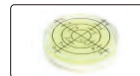
Ø58mm flat anvil (included)



Ø150mm flat anvil (included)



V-type anvil (included) for cylinders with diameter Ø4~60mm



level (included)



small V-type anvil (optional) for cylinders with diameter Ø2~4mm



desk (optional)



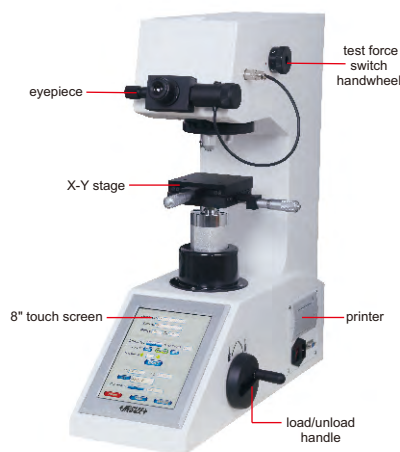
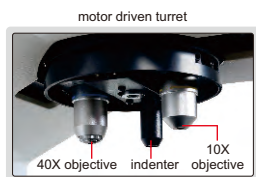
INSPECTION
CERTIFICATE



SPECIFICATION

| | |
|------------------------|--------------------------------------------------------------|
| List Price (₹) | 88684 |
| Promotion Price (₹) | 74370 |
| Hardness scale | HRA, HRB, HRC, HRD, HRF, HRG |
| Preliminary test force | 98N (10kg) |
| Test force | 588N (60kg), 980N (100kg), 1471N (150kg) |
| Display | analogue |
| Stage elevation | manual |
| Load control | manual |
| Min. reading | 0.5HR |
| Max. workpiece height | 170mm |
| Max. workpiece depth | 135mm (from the center of indenter to the wall of main body) |
| Dimension | 466×238×630mm |
| Weight | 70kg |

DIGITAL MICRO-VICKERS HARDNESS TESTERS



- Measure hardness of thin or small workpieces
- Converted to HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
- Motor driven turret to switch between indenter and objective lens automatically
- Calibrated according to standard hardness blocks or length scales
- Test result can be sent to Word or Excel
- According to ISO 6507

HDT-MV290

SPECIFICATION

| Code | HDT-MV290 | HDT-MV290S |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------|
| | manual switch of test force | motorized switch of test force |
| List Price (₹) | ON REQUEST | ON REQUEST |
| Promotion Price (₹) | ON REQUEST | ON REQUEST |
| Test force | 0.098N (10gf), 0.245N (25gf), 0.49N (50gf), 0.98N (100gf), 1.96N (200gf), 2.94N (300gf), 4.9N (500gf), 9.8N (1kgf) | |
| Vickers scales | HV0.01, HV0.025, HV0.05, HV0.1, HV0.2, HV0.3, HV0.5, HV1 | |
| Range | 8HV~2900HV | |
| Length measurement resolution | 0.01µm | |
| Objective/indenter switch | motor driven turret | |
| Stage lifting | manual | |
| Load control | automatic (load/dwell/unload) | |
| Load dwell time | 1~99 second | |
| Objective | 10X, 40X | |
| Eyepiece | 10X | |
| Total magnification | 100X (for measurement or observation), 400X (for measurement) | |
| Max. workpiece height | 100mm | |
| Max. testing width | 130mm (from the center of indenter to the wall of main body) | |
| X-Y stage | dimensions: 100×100mm, travel range: 25×25mm | |
| Data output | built-in printer, RS232 | |
| Power supply | 220V, 50/60Hz | |
| Dimension | 540×260×650mm | |
| Weight | 50kg | |

STANDARD DELIVERY

| | |
|----------------------------------|--------------|
| Main unit | 1 pc |
| 10X, 40X objective | 1 pc of each |
| Micro Vickers indenter | 1 pc |
| Hardness test block 400~500HV0.2 | 1 pc |
| Hardness test block 700~750HV1 | 1 pc |
| Level | 1 pc |
| Touch pen | 1 pc |
| Slice holder | 1 pc |
| Vice | 1 pc |
| Cylinder holder | 1 pc |
| Anti-dust cover | 1 pc |

OPTIONAL ACCESSORY

| | |
|----------------------------------|-------------|
| Hardness test block 400~500HV0.2 | HDT-B-HV02C |
| Hardness test block 700~750HV1 | HDT-B-HV1F |
| Measuring system | HDT-VS530 |

DIGITAL VICKERS HARDNESS TESTER CODE HDT-VD50A



- LCD touch screen, easy operation
- Insert USB flash disk, save the test results as Excel
- Converted to HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
- Force loading by electric motor, without weights
- According to ISO 6507

SPECIFICATION

| | |
|-------------------------------|--------------------------------------------------------------|
| List Price (₹) | ON REQUEST |
| Promotion Price (₹) | ON REQUEST |
| Test force | 0.5, 1, 2, 2.5, 3, 5, 10, 15, 20, 30, 40, 50kgf |
| Range | 8~2900HV |
| Load control | automatic (load/dwell/unload) |
| Load dwell time | 1~99 second |
| Eyepiece | 10X |
| Objective | 10X, 20X (optional 2.5X, 5X, 40X) |
| Total magnification | 100X, 200X (optional 25X, 50X, 400X) |
| Length measurement resolution | 0.01µm |
| Data output | USB flash disk |
| Max. workpiece height | 180mm |
| Max. testing width | 160mm (from the center of indenter to the wall of main body) |
| Power supply | 220V, 50/60Hz |
| Dimension | 580x190x700mm |
| Weight | 55kg |



STANDARD DELIVERY

| | |
|---------------------|--------------|
| Main unit | 1 pc |
| 10X, 20X objective | 1 pc of each |
| Vickers indenter | 1 pc |
| Ø58mm flat anvil | 1 pc |
| Ø150mm flat anvil | 1 pc |
| V-type anvil | 1 pc |
| Hardness test block | 2 pcs |
| USB flash disk | 1 pc |
| Level | 1 pc |
| Touch pen | 1 pc |
| Anti-dust cover | 1 pc |

OPTIONAL ACCESSORY

| | |
|-----------------------------------|------------------|
| Hardness test block | refer to details |
| 2.5X objective | HDT-VD-OB2X |
| 5X objective | HDT-VD-OB5X |
| 40X objective | HDT-VD-OB40X |
| Vickers hardness measuring system | HDT-VS530 |

MOTORIZED BRINELL HARDNESS TESTER CODE ISHB-M100

- LCD touch screen, easy operation
- Automatic testing after preliminary test force is loaded by hand
- Measure indentation diameter by measuring microscope, input the diameters, the hardness value is shown on screen automatically
- Force loading by electric motor, without weights
- According to ISO 6506

SPECIFICATION

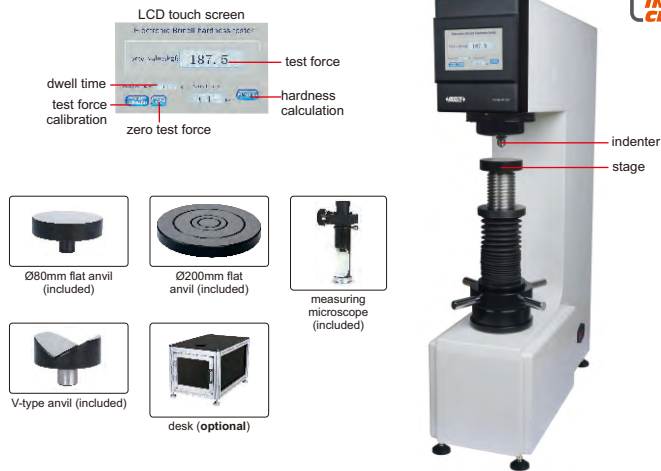
| | | |
|-----------------------|--------------------------------------------------------------|--------|
| List Price (₹) | ON REQUEST | |
| Promotion Price (₹) | ON REQUEST | |
| Range | 8~650HBW | |
| Reading mode | directly read from LCD | |
| Test force | 62.5, 100, 125, 187.5, 250, 500, 750, 1000, 1500, 3000kgf | |
| Max. workpiece height | 230mm | |
| Max. testing width | 160mm (from the center of indenter to the wall of main body) | |
| Stage elevation | manual | |
| Load control | automatic (load/dwell/unload) | |
| Load dwell time | 5~60 second | |
| Measuring microscope | magnification | 20X |
| | graduation | 0.01mm |
| Power supply | 220V, 50/60Hz | |
| Dimension | 550×210×750mm | |
| Weight | 90kg | |

OPTIONAL ACCESSORY

| | |
|-----------------------------------------|--------------|
| Hardness test block 200~300HBW2.5/187.5 | HDT-B-HB25A2 |
| Hardness test block 90~200HBW10/1000 | HDT-B-HB10C1 |
| Hardness test block 200~300HBW10/3000 | HDT-B-HB10A2 |
| Brinell indentation measuring system | ISHB-MSA |
| Desk | HDT-DESK |

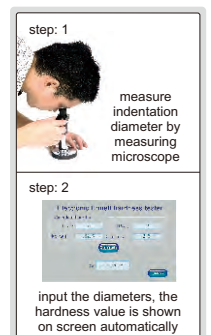
FORCE LOADING BY ELECTRIC MOTOR (WITHOUT WEIGHTS)

AUTOMATIC TESTING AFTER PRELIMINARY TEST FORCE IS LOADED BY HAND



STANDARD DELIVERY

| | |
|-----------------------------------------|------|
| Main unit | 1 pc |
| Ø80mm flat anvil | 1 pc |
| Ø200mm flat anvil | 1 pc |
| V-type anvil | 1 pc |
| Ø2.5mm carbide ball indenter | 1 pc |
| Ø5mm carbide ball indenter | 1 pc |
| Ø10mm carbide ball indenter | 1 pc |
| Hardness test block 150~250HBW2.5/187.5 | 1 pc |
| Hardness test block 75~125HBW10/1000 | 1 pc |
| Hardness test block 175~250HBW10/3000 | 1 pc |
| Measuring microscope | 1 pc |
| Anti-dust cover | 1 pc |



PORTABLE LEEB HARDNESS TESTER CODE HDT-LP320

DATA
OUTPUT

BLUETOOTH

INSPECTION
CERTIFICATE



small support ring
(included)



hardness test block D
(included)



main unit
(without probe)

- Can use wired probes or wireless probes
- Dual-coil probe for high accuracy
- Universal testing angle, no need to set impact direction
- Based on Leeb (HLD), converted to Vickers (HV), Brinell (HB), Rockwell (HRC, HRA and HRB), Shore (HS) and tensile strength (SGM)
- Dual value display, shows both Leeb and converted hardness
- Large 2.4" LCD display with backlight
- With a magnet on the back, the main unit can be attached on steel surfaces
- According to ASTM A956 and DIN 50156

SPECIFICATION

| | |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| List Price (₹) | 32048 |
| Promotion Price (₹) | 27241 |
| Resolution | 1HLD/1HV/1HB/0.1HRC/0.1HRB/0.1HRA/0.1HS/1SGM |
| Accuracy | ±6HLD (when HLD=800) |
| Output | USB |
| Measuring range | HL 100-960/HRC 0.9-79.2/HRB 1-140/HB 1-1878/HV 1-1698/HS 0.5-1370/HRA 1-88.5/SGM (rm) 1-6599N/mm ² |
| Applicable materials | 1. steel/cast steel, 2. alloy steel, 3. stainless steel, 4. gray pig iron, 5. nodular cast iron, 6. cast aluminum, 7. brass, 8. bronze, 9. copper, 10. forging steel, 11. rolling steel |
| Statistics | average/max./min./s.value |
| Memory | 999 data |
| Working environment | -10°C~45°C |
| Power supply | 2xAAA battery |
| Dimension | 145×68×28mm |
| Weight | 158g |

STANDARD DELIVERY

| | |
|-----------------------|------|
| Main unit | 1 pc |
| Hardness test block D | 1 pc |
| Small support ring | 1 pc |
| Cleaning brush | 1 pc |
| Magnet | 1 pc |

APPLICABLE WORKPIECE

| Probes | DC | C | D | D+15 | DL | E | G |
|-------------------------------------|---------------------------|----------------------------------------|-------------|-------------|---------------------------|--------------------|------------------------------|
| Application | inner wall of small space | small or thin workpiece, coating layer | general use | deep groove | narrow slot or small hole | very hard material | casting or forging workpiece |
| Maximum roughness of workpiece (Ra) | 2μm | 0.4μm | 2μm | 2μm | 2μm | 2μm | 7μm |
| Minimum weight of workpiece | direct measurement | 5kg | 1.5kg | 5kg | 5kg | 5kg | 15kg |
| | on solid support | 2.5kg | 0.5kg | 2kg | 2kg | 2kg | 5kg |
| | coupled on plate | 0.05~2kg | 0.02kg | 0.05~2kg | 0.1kg | 0.1kg | 0.5kg |
| Minimum thickness of workpiece | 3mm | 1mm | 3mm | 3mm | 3mm | 3mm | 10mm |

main unit connect to PC, software is included, upload the data to PC, print and send to Excel



main unit connected to wired probe



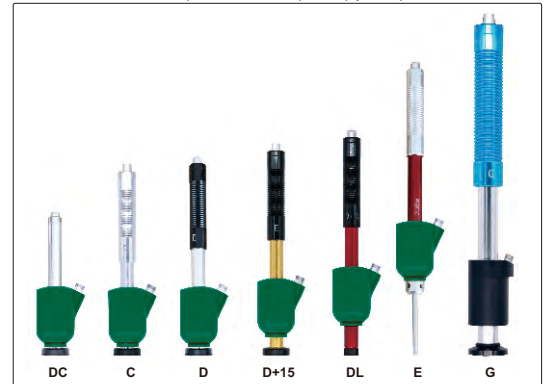
main unit connected to wireless probe



main unit connected to bluetooth printer (optional)



wired probes or wireless probes (optional)



OPTIONAL ACCESSORY

| | | |
|--------------------------|-------------------|---------------|
| Wired probe | D | HDT-LP320-D |
| | DC | HDT-LP320-DC |
| | C | HDT-LP320-C |
| | D+15 | HDT-LP320-D15 |
| | DL | HDT-LP320-G |
| | E | HDT-LP320-DL |
| | G | HDT-LP320-E |
| Wireless probe | D | HDT-LP320-DW |
| | DC | HDT-LP320-DCW |
| | G | HDT-LP320-GW |
| | DL | HDT-LP320-DLW |
| Hardness test block D ** | HDT-B-HLD3 | |
| Hardness test block G * | HDT-B-HLG2 | |
| Printer | HDT-LP320-PRINTER | |
| Support rings | HDT-LP320-SRING | |

* Hardness test block G (HDT-B-HLG2) is for probe G (HDT-LP320-G or HDT-LP320-GW).

** Hardness test block D (HDT-B-HLD3) is for all others probes.

PORTABLE LEEB HARDNESS TESTER (HIGH ACCURACY) CODE HDT-L410

DATA OUTPUT HIGH ACCURACY DL PROBE IS OPTIONAL

INSPECTION CERTIFICATE

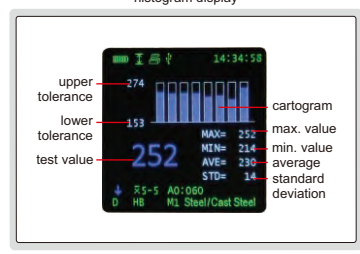
- Metal housing
- HD TFT 320×320 display
- Impact device D
- Based on Leeb (HLD), converted to Vickers (HV), Brinell (HB), Rockwell (HRC, HRA and HRB), Shore (HS) and tensile strength (SGM)
- Four display modes
- Automatic direction correction
- Tolerance testing
- Automatic power off, automatic calculation of statistics
- Dual value display, shows both Leeb and other conversion values
- 31 files can be saved, each containing 100 measurement data
- Connected to PC software via USB or Bluetooth 2.0
- Connected with printer via Bluetooth
- Operation temperature: -20°C~70°C
- According to ASTM A956, DIN 50156, GB/T 17394



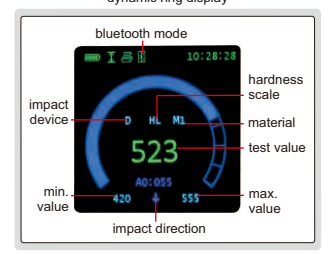
DL probe can be installed (optional)



histogram display



dynamic ring display

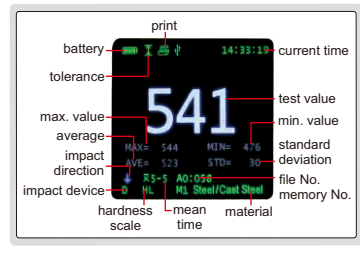


software (included), upload the memory to PC, print and send to EXCEL

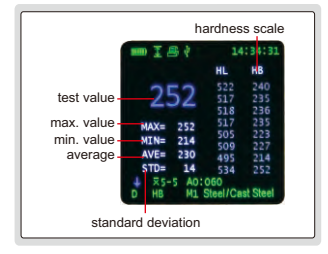
upload the memory to PC software via USB cable or Bluetooth

send the stored data to EXCEL

can choose large font display



statistic display



SPECIFICATION

| | | |
|----------------------------------------|-----------------------------------------------------|---------------------------|
| List Price (₹) | 139141 | |
| Promotion Price (₹) | 122445 | |
| Resolution | 1HLD, 1HV, 1HB, 0.1HRC, 0.1HRB, 0.1HRA, 0.1HS, 1SGM | |
| Accuracy | ±4HLD (when HLD=800) | |
| Output | USB and bluetooth | |
| Applicable workpiece | minimum weight | 5kg (direct measurement) |
| | | 2kg (on solid support) |
| | | 0.05kg (coupled on plate) |
| | minimum thickness: 5mm | |
| minimum radius of curved surface: 30mm | | |
| maximum roughness (Ra): 2µm | | |
| Power supply | built-in 3.7V rechargeable battery | |
| Dimension | 148×44×22mm | |
| Weight | 115g | |

STANDARD DELIVERY

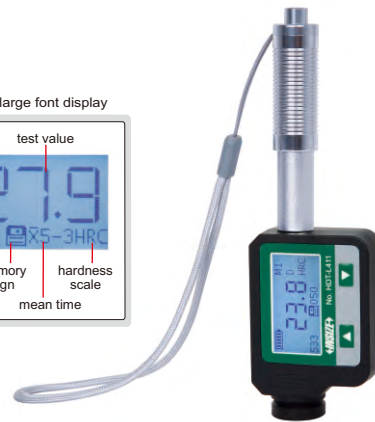
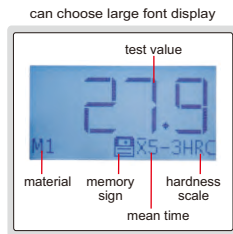
| | |
|-----------------------------|------|
| Main unit | 1 pc |
| Hardness test block D | 1 pc |
| Small support ring | 1 pc |
| Cleaning brush | 1 pc |
| AC/DC adapter | 1 pc |
| Software disc and USB cable | 1 pc |

OPTIONAL ACCESSORY

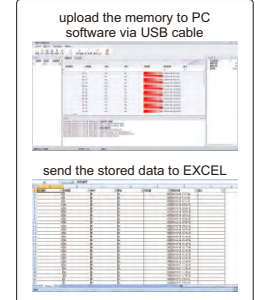
| | |
|-----------------------|------------------|
| Printer | HDT-L410-PRINTER |
| Support rings | ISH-PH-SP9 |
| Hardness test block D | HDT-B-HLD3 |
| DL probe | HDT-L410-DL |

PORTABLE LEEB HARDNESS TESTER (BASIC TYPE) CODE HDT-L411

- Impact device D
- Universal testing angle, no need to set impact direction
- Dual-coil probe, high accuracy
- Based on Leeb (HLD), converted to Vickers (HV), Brinell (HB), Rockwell (HRC, HRA and HRB), Shore (HS) and tensile strength (SGM)
- Dual value display, shows both Leeb and converted hardness
- High contrast digital LCD display
- Can choose large font display
- Automatically calculate maximum, minimum, average value
- Connected to PC via USB
- Save 999 data
- Operation temperature: -20°C~45°C
- According to ASTM A956, DIN 50156, GB/T 17394



software (included), upload the memory to PC, print and send to EXCEL



SPECIFICATION

| | | |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------|
| List Price (₹) | 30511 | |
| Promotion Price (₹) | 26850 | |
| Resolution | 1HLD, 1HV, 1HB, 0.1HRC, 0.1HRB, 0.1HRA, 0.1HS, 1SGM | |
| Accuracy | ±6HLD (when HLD=800) | |
| Output | USB | |
| Measuring range | HL100-960, HRC1-74.7, HRB1.2-140, HB28-1027, HV45-1230, HS4-112, HRA7-88.5, SGM (rm) 118-3315N/mm ² | |
| Applicable workpiece | minimum weight | 5kg (direct measurement) |
| | | 2kg (on solid support) |
| | | 0.05kg (coupled on plate) |
| | minimum thickness: 5mm | |
| minimum radius of curved surface: 30mm | | |
| maximum roughness (Ra): 2µm | | |
| Power supply | 1xAAA battery | |
| Dimension | 148×45×21mm | |
| Weight | 105g | |

STANDARD DELIVERY

| | |
|-----------------------------|------|
| Main unit | 1 pc |
| Hardness test block D | 1 pc |
| Cleaning brush | 1 pc |
| AAA battery | 1 pc |
| Small support ring | 1 pc |
| Software disc and USB cable | 1 pc |



VIDEO



software CD (included)



hardness test block D (included)



small support ring (included)

OPTIONAL ACCESSORY

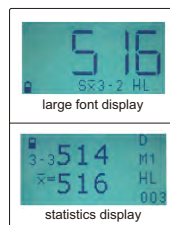
| | |
|-----------------------|-------------|
| Support rings | see details |
| Hardness test block D | HDT-B-HLD3 |

PORTABLE LEEB HARDNESS TESTER (BASIC TYPE) CODE HDT-LP200



VIDEO

- Can change probes
- Dual-coil probe for high accuracy
- Universal testing angle, no need to set impact direction
- Based on Leeb (HLD), converted to Vickers (HV), Brinell (HB), Rockwell (HRC, HRA and HRB), Shore (HS) and tensile strength (SGM)
- Dual value display, shows both Leeb and converted hardness
- Large LCD display with backlight
- Can choose large font display and statistics display
- Automatically calculate maximum, minimum and average value
- Save 300 data
- Operation temperature: -10°C~45°C
- According to ASTM A956, DIN 50156, GB/T 17394



hardness test block D (included)



small support ring (included)

SPECIFICATION

| | | |
|---------------------|---------------------------------------------------------------------------------------------------------------|--|
| List Price (₹) | 32020 | |
| Promotion Price (₹) | 26520 | |
| Resolution | 1HLD/1HV/1HB/0.1HRC/0.1HRB/0.1HRA/0.1HS/1SGM | |
| Accuracy | ±6HLD (when HLD=800) | |
| Measuring range | HL 100-960/HRC 0.9-79.2/HRB 1-140/HB 1-1878/HV 1-1698/HS 0.5-1370/HRA 1-88.5/SGM (rm) 1-6599N/mm ² | |
| Power supply | 2xAA battery | |
| Dimension | 127×67×30mm | |
| Weight | 240g | |

STANDARD DELIVERY

| | |
|-----------------------|------|
| Main unit | 1 pc |
| Hardness test block D | 1 pc |
| Small support ring | 1 pc |
| Cleaning brush | 1 pc |
| Impact device D | 1 pc |

OPTIONAL ACCESSORY

| | |
|-------------------------|---------------|
| Impact device DC | HDT-LP200-DC |
| Impact device C | HDT-LP200-C |
| Impact device D+15 | HDT-LP200-D15 |
| Impact device DL | HDT-LP200-DL |
| Impact device E* | HDT-LP200-E |
| Impact device G | HDT-LP200-G |
| Hardness test block D** | HDT-B-HLD3 |
| Hardness test block G** | HDT-B-HLG2 |
| Support rings | see details |

* Impact device E (HDT-LP200-E) must be purchased together with the main unit.

** Hardness test block G (HDT-B-HLG2) is for impact device G (HDT-LP200-G)
Hardness test block D (HDT-B-HLD3) is for all others impact devices

BARCOL HARDNESS TESTER CODE ISHB-B300



STANDARD DELIVERY

| | |
|---------------------|-------|
| Main unit | 1 pc |
| Spare indenter | 2 pcs |
| Hardness test block | 2 pcs |
| Wrench | 1 pc |

- To measure the hardness of workpieces made of pure aluminum, aluminum alloy, fiber reinforced plastic, hard plastic, etc.
- According to ASTM B648-00, ASTM D2853-07

SPECIFICATION

| | |
|--------------------------|--------------------------------------------|
| List Price (₹) | 102170 |
| Promotion Price (₹) | 91953 |
| Hardness range | 0~100HBa (equal to 25~150HBW) |
| Min. reading | 1HBa |
| Accuracy | ±2HBa (at 42~52HBa) ±1HBa (at 84~88HBa) |
| Min. workpiece thickness | 0.8mm |
| Dimension | 142×65×90mm |
| Weight | 500g |

ALUMINUM HARDNESS TESTER



- To measure the hardness of soft metal such as aluminum alloy, copper, brass, soft steel, etc.
- According to ASTM B647-84 (2000)

SPECIFICATION

| | |
|-------------------------------------------------|--------------------------------|
| Code | ISHW-L20 |
| List Price (₹) | 125745 |
| Promotion Price (₹) | 113171 |
| Application | for aluminum alloy general use |
| Thickness requirement of flat workpiece | 0.6~6mm |
| Internal diameter requirement of tube workpiece | >Ø10mm |
| Wall thickness requirement of tube workpiece | 0.6~6mm |
| Hardness range | 0~20HW |
| Min. reading | 1HW |
| Accuracy | ±0.5HW (at 5~17HW) |
| Dimension | 205x30x85mm |
| Weight | 500g |



ISHW-L20

STANDARD DELIVERY

| | |
|---------------------|------|
| Main unit | 1 pc |
| Spare indenter | 1 pc |
| Hardness test block | 1 pc |
| Wrench | 1 pc |

PORTABLE ROCKWELL HARDNESS TESTER CODE ISHR-P151

- According to ISO 6508, ASTM E18



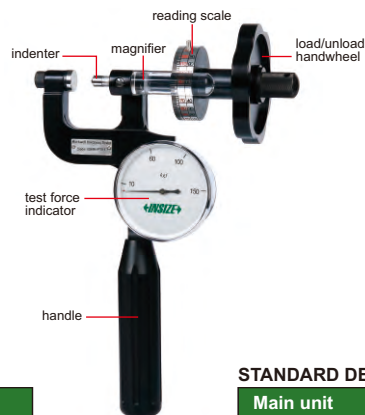
anvil extension for thin workpieces (included)



flat anvil (included)



V-type anvil (included)



base (included)

SPECIFICATION

| | |
|--------------------------|-----------------------------------------------------|
| List Price (₹) | 107363 |
| Promotion Price (₹) | 96627 |
| Hardness scale | HRA, HRB, HRC, HRD, HRF, HRG |
| Preliminary test force | 10kg |
| Test force | 60kg, 100kg, 150kg |
| Load control | manual |
| Min. reading | 1HR |
| Max. workpiece thickness | 25mm |
| Max. testing width | 25mm (from the center of indenter to the main body) |
| Dimension | 240×70×160mm |
| Weight (with base) | 2.5kg |

STANDARD DELIVERY

| | |
|---------------------------------|-------|
| Main unit | 1 pc |
| Diamond indenter | 1 pc |
| Ø1.5875mm carbide ball indenter | 2 pcs |
| Hardness test block HRB88~95 | 1 pc |
| Hardness test block HRC60~65 | 1 pc |
| Hardness test block HRC20~30 | 1 pc |
| Flat anvil | 1 pc |
| V-type anvil | 1 pc |
| Base | 1 pc |
| Anvil extension | 1 pc |
| Magnifier | 2 pcs |

DIGITAL SHORE DUROMETERS

- According to ISO868, ISO7619, ASTM D 2240
- Average and peak (max.) mode
- Dwell time is adjustable
- Tolerance testing
- 500 memories
- Wireless connection to printer
- Handhold use or work with test stand (code **ISH-DS-STANDA**)
- Automatic power off



ISH-DSA



ISH-DSD



ISH-DSOO

SPECIFICATION

| Code | ISH-DSA | ISH-DSD | ISH-DSOO |
|---------------------|---------------------------------|---------------------------------|--------------------------------------------------|
| List Price (₹) | 29429 | 33614 | 46772 |
| Promotion Price (₹) | 28546 | 32606 | 39756 |
| Unit | Shore A | Shore D | Shore OO |
| Test material | soft plastic, soft rubber, etc. | hard plastic, hard rubber, etc. | very soft plastic, rubber, sponge, textile, etc. |
| Measuring range | 0~100HA* | 0~100HD* | 0~100HOO |
| Resolution | 0.1HA | 0.1HD | 0.1HOO |
| Accuracy | ±1HA | ±1HD | ±1HOO |
| Indenter protrusion | 2.5mm | | |
| Output | wireless and USB | | |
| Power supply | built-in rechargeable battery | | |
| Dimension | 153×50×29mm | | |
| Weight | 170g | | |

* Use **ISH-DSD** when measuring result is higher than 90HA
Use **ISH-DSA** when measuring result is lower than 20HD



VIDEO



software CD (included)



printer (optional)



calibration block (included)

STANDARD DELIVERY

| | |
|------------------------|------|
| Main unit | 1 pc |
| Calibration block | 1 pc |
| Software and USB cable | 1 pc |
| AC/DC adapter | 1 pc |

OPTIONAL ACCESSORY

| | |
|------------|----------------|
| Printer | ISH-DS-PRINTER |
| Test stand | ISH-DS-STANDA |

TEST STAND FOR DIGITAL SHORE DUROMETERS CODE ISH-DS-STANDA

- For digital shore durometers (code **ISH-DSA**, **ISH-DSD** and **ISH-DOO**)
- Perform repeatable hardness measurement due to fewer possibilities of human error or measurement variations
- Special structure for stable loading
- Weight block A (included) is for **ISH-DSA**, weight block D (optional) is for **ISH-DSD**, remove weight block for **ISH-DOO**

SPECIFICATION

| | |
|-----------------------|--------------------------------------|
| List Price (₹) | 66056 |
| Promotion Price (₹) | 62753 |
| Stage diameter | Ø115mm |
| Max. workpiece height | 45mm |
| Max. testing width | 63mm (from test point to the column) |
| Dimension | Ø195×370mm |
| Weight | 5.61kg |

STANDARD DELIVERY

| | |
|------------------------------|------|
| Test stand | 1 pc |
| Weight block A (for ISH-DSA) | 1 pc |



weight block D (optional) for ISH-DSD

OPTIONAL ACCESSORY

| | |
|------------------------------|-----------|
| Weight block D (for ISH-DSD) | ISH-DS-W4 |
|------------------------------|-----------|

SHORE DUROMETERS

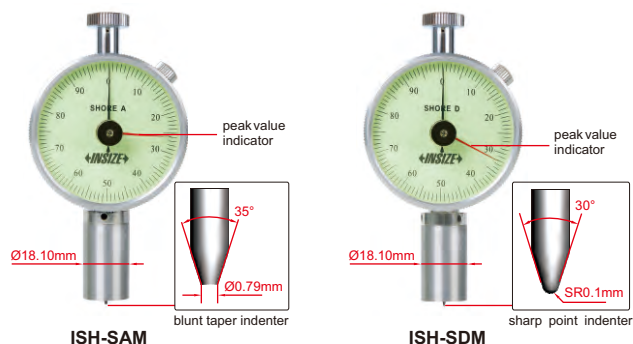
- According to ISO868, ISO7619, ASTM D 2240
- With peak value indicator
- Optional accessory: test stand **ISH-STAC** and **ISH-STD**



SPECIFICATION

| Code | ISH-SAM | ISH-SDM |
|---------------------|--------------------------------------|--------------------------------------------|
| List Price (₹) | 9461 | 16439 |
| Promotion Price (₹) | 7351 | 12408 |
| Scale | Shore A | Shore D |
| Application | natural rubber, soft elastomer, etc. | hard rubber, plastic, hard elastomer, etc. |
| Measuring range * | 10~90HA | 20~90HD |
| Graduation | 1HA | 1HD |
| Indenter protrusion | 2.5mm | |
| Dimension | 115x60x25mm | |
| Weight | 160g | |

*Use **ISH-SDM** when measuring result is higher than 90HA
Use **ISH-SAM** when measuring result is lower than 20HD



OPTIONAL ACCESSORY

Calibration block **ISH-DS-BLOCK**



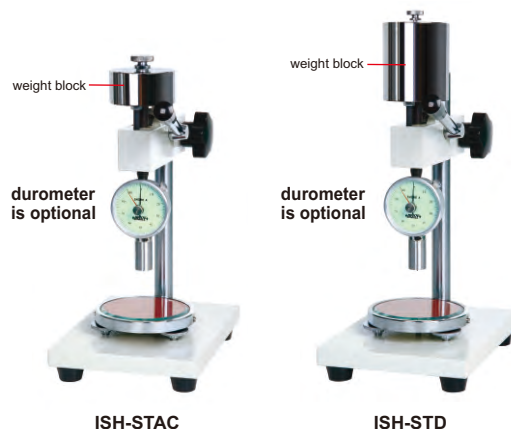
TEST STANDS FOR SHORE DUROMETERS

- For shore durometers (code **ISH-SAM** and **ISH-SDM**)
- Perform repeatable hardness measurement due to fewer possibilities of human error or measurement variations



SPECIFICATION

| Code | ISH-STAC | ISH-STD |
|-----------------------|--------------------------------------|--------------------------------------|
| List Price (₹) | 16219 | 19809 |
| Promotion Price (₹) | 13786 | 16838 |
| Applicable durometer | ISH-SAM | ISH-SDM |
| Stage diameter | Ø100mm | Ø100mm |
| Max. workpiece height | 75mm | 75mm |
| Max. testing width | 65mm (from test point to the column) | 65mm (from test point to the column) |
| Weight block | 1kg | 5kg |



FORCE GAGES

- Push and pull test
- Peak (max.) or tracking mode

SPECIFICATION

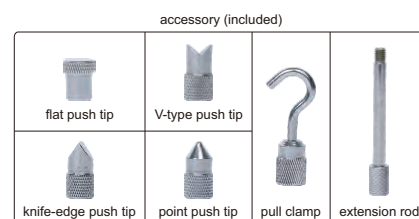
| Code | ISF-F10 | ISF-F20 | ISF-F30 | ISF-F50 | ISF-F100 | ISF-F200 | ISF-F300 | ISF-F500 | |
|---------------------|------------------------|---------|---------|---------|----------|----------|----------|----------|-----|
| List Price (₹) | 11656 | 11656 | 11656 | 10176 | 10176 | 10176 | 10176 | 10176 | |
| Promotion Price (₹) | 8791 | 8791 | 8791 | 8791 | 8791 | 8791 | 8791 | 8791 | |
| Capacity | N | 10 | 20 | 30 | 50 | 100 | 200 | 300 | 500 |
| | kgf | 1 | 2 | 3 | 5 | 10 | 20 | 30 | 50 |
| Graduation | N | 0.05 | 0.1 | 0.2 | 0.25 | 0.5 | 1 | 2 | 2.5 |
| Accuracy | ±1% (of load capacity) | | | | | | | | |

STANDARD DELIVERY

| | |
|---------------|-----------------------------------------|
| Main unit | 1 pc |
| Push tip | 4 pcs (flat, V-type, knife-edge, point) |
| Pull clamp | 1 pc |
| Extension rod | 1 pc |

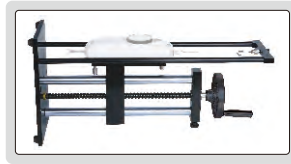
OPTIONAL ACCESSORY

Test stand **ISF-MT500**



TEST STAND FOR FORCE GAGE CODE ISF-MT500

- For force gages (code ISF-F□□□)
- To be used in vertical and horizontal orientation



horizontal orientation test

SPECIFICATION

| | |
|---------------------|-----------------------------------------------------------|
| List Price (₹) | 11738 |
| Promotion Price (₹) | 10564 |
| Load capacity | 500N |
| Travel | 150mm (3mm vertical movement per revolution of handwheel) |
| Dimension | 160×240×460mm |
| Weight | 12kg |



force gage is optional



DIGITAL SPRING TESTERS

DATA
OUTPUT

- Peak hold and automatic release function
- Set upper and lower limits, red and green indicator and buzzer alarm
- Automatic conversion of three units: N, kgf, lbf
- Built in printer
- Automatic power off



ISF-S10



ISF-S500



ISF-S1000

SPECIFICATION

| Code | ISF-S10 | ISF-S20 | ISF-S30 | ISF-S50 | ISF-S100 | ISF-S200 |
|-------------------------------|------------------------|---------------|---------------|---------------|---------------|---------------|
| List Price (₹) | 148940 | 148972 | 149003 | 149034 | 149065 | 149096 |
| Promotion Price (₹) | 131068 | 131096 | 131123 | 131150 | 131178 | 131206 |
| Maximum load | 10N | 20N | 30N | 50N | 100N | 200N |
| Resolution | 0.001N | 0.002N | 0.01N | 0.01N | 0.02N | 0.05N |
| Range of digital scale | 65mm | 65mm | 65mm | 95mm | 95mm | 95mm |
| Resolution of digital scale | 0.01mm | 0.01mm | 0.01mm | 0.01mm | 0.01mm | 0.01mm |
| Disk diameter | Ø30mm | Ø30mm | Ø30mm | Ø49mm | Ø49mm | Ø49mm |
| Maximum free length of spring | 65mm | 65mm | 65mm | 95mm | 95mm | 95mm |
| Measuring range of force | 5%~100% (maximum load) | | | | | |
| Accuracy of force | ±1% (maximum load) | | | | | |
| Data output | RS232 | | | | | |
| Power supply | 220V, 50/60Hz | | | | | |
| Dimension | 300×235×600mm | 300×235×600mm | 300×235×600mm | 300×235×620mm | 300×235×620mm | 300×235×620mm |
| Weight | 13.2kg | 13.2kg | 13.2kg | 17.3kg | 19.1kg | 19.1kg |

| Code | ISF-S300 | ISF-S500 | ISF-S1000 | ISF-S2000 | ISF-S5000 |
|-------------------------------|------------------------|---------------|---------------|---------------|---------------|
| List Price (₹) | 149127 | 149157 | 180185 | 180216 | 220543 |
| Promotion Price (₹) | 131232 | 131259 | 158563 | 158591 | 194079 |
| Maximum load | 300N | 500N | 1000N | 2000N | 5000N |
| Resolution | 0.1N | 0.1N | 0.2N | 0.5N | 1N |
| Range of digital scale | 95mm | 95mm | 150mm | 150mm | 150mm |
| Resolution of digital scale | 0.01mm | 0.01mm | 0.01mm | 0.01mm | 0.01mm |
| Disk diameter | Ø49mm | Ø49mm | Ø108mm | Ø108mm | Ø108mm |
| Maximum free length of spring | 95mm | 95mm | 200mm | 200mm | 200mm |
| Measuring range of force | 5%~100% (maximum load) | | | | |
| Accuracy of force | ±1% (maximum load) | | | | |
| Data output | RS232 | | | | |
| Power supply | 220V, 50/60Hz | | | | |
| Dimension | 300×235×620mm | 300×235×620mm | 490×300×920mm | 490×300×920mm | 490×300×920mm |
| Weight | 19.1kg | 20.8kg | 47.5kg | 47.5kg | 47.5kg |

STANDARD DELIVERY

Main unit 1 pc

DIGITAL FORCE GAGES

INSPECTION
CERTIFICATE

DATA
OUTPUT

- Push and pull test
- Units: lbf, ozf, N, gf, kgf
- 500 memories
- Automatic power off
- Metal case
- LCD display with backlight
- The display flips over when the bottom faces up
- Overload alarm

software CD (included)



printer (optional)



ISF-1DF100



VIDEO

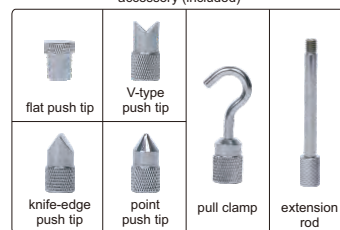
SPECIFICATION

| Code | ISF-1DF10 | ISF-1DF50 | ISF-1DF100 | ISF-1DF500 | ISF-1DF1000 |
|---------------------|------------------------------------------|-----------|------------|------------|-------------|
| List Price (₹) | 27882 | 27882 | 27882 | 27882 | 27882 |
| Promotion Price (₹) | 23700 | 23700 | 23700 | 27046 | 27046 |
| Load capacity (N) | 10 | 50 | 100 | 500 | 1000 |
| Resolution (N) | 0.01 | 0.01 | 0.1 | 0.1 | 1 |
| Accuracy | ±0.3% (of load capacity) | | | | |
| Measuring mode | tracking, peak (max.), tolerance testing | | | | |
| Power supply | built-in rechargeable battery | | | | |
| Dimension | 150×73×33mm | | | | |
| Weight | 450g | | | | |

STANDARD DELIVERY

| | |
|------------------------|--------------------------------------------------------------------------------------------------------|
| Main unit | 1 pc |
| AC/DC adapter | 1 pc |
| Software and USB cable | 1 pc |
| Push/pull accessory | 6 pcs (flat push tip, V-type push tip, knife-edge push tip, point push tip, pull clamp, extension rod) |

accessory (included)



OPTIONAL ACCESSORY

| | |
|------------|----------------|
| Printer | ISF-DF-PRINTER |
| Test stand | ISF-MT1K |

TEST STAND FOR DIGITAL FORCE GAGE CODE ISF-MT1K

- For digital force gages (code ISF-1DF□□ and ISF-DF□□)
- To be used in vertical and horizontal orientation

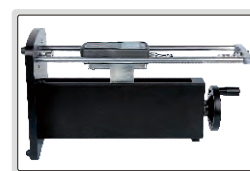
SPECIFICATION

| | |
|---------------------|-----------------------------------------------------------|
| List Price (₹) | 37475 |
| Promotion Price (₹) | 33728 |
| Load capacity | 1000N |
| Travel | 200mm (3mm vertical movement per revolution of handwheel) |
| Dimension | 196×250×446mm |
| Weight | 13kg |

OPTIONAL ACCESSORY

| | |
|----------------------------------------------------------|----------------|
| Digital scale (range: 200mm, resolution: 0.01mm/0.0005") | ISF-MT1K-SCALE |
|----------------------------------------------------------|----------------|

force gage
is optional



horizontal orientation test



digital scale (optional)



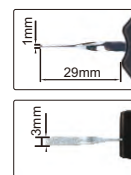
VIDEO

DIAL TENSION GAGES

- Clockwise and counter-clockwise use
- For electronic and precision mechanical industry, such as test the contact pressure of relay, adjust the tension or compression of spring

SPECIFICATION (Unit: N)

| Code | ISF-TGD1 | ISF-TGD3 | ISF-TGD5 | ISF-TG1 | ISF-TG5 |
|---------------------|------------------|----------|----------|---------|---------|
| List Price (₹) | 4093 | 4093 | 4093 | 4093 | 4093 |
| Promotion Price (₹) | 3684 | 3684 | 3684 | 3684 | 3684 |
| Range (N) | 0.01~0.1 | 0.03~0.3 | 0.05~0.5 | 0.1~1 | 0.5~5 |
| Graduation (N) | 0.002 | 0.005 | 0.01 | 0.02 | 0.1 |
| Accuracy | ±2% (full scale) | | | | |
| Dimension (L×W×H) | 90×47×19mm | | | | |
| Weight | 60g | | | | |



ISF-TG5



VIDEO

ELECTRONIC BALANCES (0.1mg)

DATA OUTPUT

- Electromagnetic sensor
- Unit: g, ct, oz, lb
- Weighing, counting, taring
- Data output



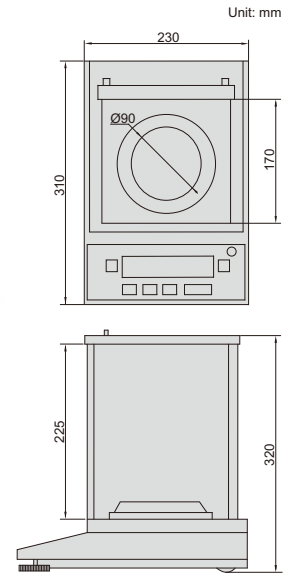
calibration weight (included)

SPECIFICATION

| Code | 8304-120 | 8304-220 |
|---------------------------|------------------------------------|-------------------------------------------------------|
| List Price (₹) | 50593 | 56531 |
| Promotion Price (₹) | 48063 | 53704 |
| Maximum weighing | 120g | 220g |
| Minimum weighing | 10mg | 10mg |
| Resolution (d) | 0.1mg | 0.1mg |
| Verification interval (e) | 1mg | 1mg |
| Accuracy (m is load) | m≤50g: ±0.5mg; 50g<m≤120g: ±1mg | m≤50g: ±0.5mg; 50g<m≤200g: ±1mg; m>200g: ±1.5mg |
| Weighing pan size (Ød) | Ø90mm | |
| Operation temperature | 10~30°C | |
| Operation humidity | 20~85% RH | |
| Power supply | power adapter (12V/2A) | |
| Dimension (L×W×H) | 230×310×320mm | |



8304-120



OPTIONAL ACCESSORY

| | |
|-------------|--------------|
| RS232 cable | 8304-CABLE |
| Printer | 8304-PRINTER |

ELECTRONIC BALANCES (1mg)

DATA OUTPUT

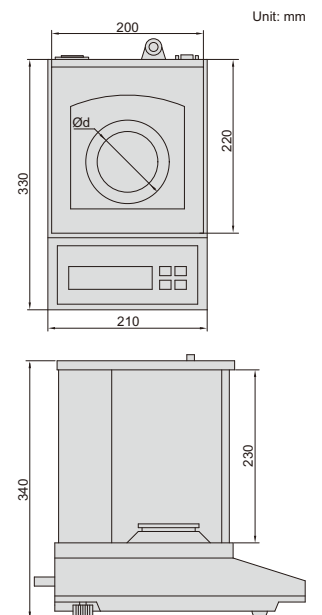
- Aluminum alloy shell, wind shield, three side glass sliding doors
- Electromagnetic balance sensor
- Unit: g, ct, ozt, oz, gn, dwt, mg
- Weighing, counting, taring
- Data output
- With a hook at the bottom



calibration weight (included)



8303-520



SPECIFICATION

| Code | 8303-220 | 8303-320 | 8303-520 | 8303-620 | 8303-1020 |
|---------------------------|-----------------------------------------------------|----------|------------|----------|-----------|
| List Price (₹) | 30580 | 32835 | 37346 | 40730 | 63285 |
| Promotion Price (₹) | 27522 | 29552 | 33611 | 36657 | 56956 |
| Maximum weighing | 220g | 320g | 520g | 620g | 1020g |
| Minimum weighing | 20mg | 20mg | 100mg | 100mg | 100mg |
| Resolution (d) | 1mg | 1mg | 1mg | 1mg | 1mg |
| Verification interval (e) | 10mg | 10mg | 10mg | 10mg | 10mg |
| Accuracy | load capacity≤500g: ±5mg; load capacity>500g: ±10mg | | | | |
| Weighing pan size (Ød) | Ø80mm | | | Ø120mm | |
| Operation temperature | 15~30°C | | 18~23°C | | |
| Operation humidity | 40%~80% RH | | 50%~70% RH | | |
| Power supply | 220V, 50/60Hz | | | | |
| Dimension (L×W×H) | 330×210×340mm | | | | |

OPTIONAL ACCESSORY

| | |
|-------------|--------------|
| RS232 cable | 8301-CABLE* |
| Printer | 8303-PRINTER |

*Used to connect with computers

WEIGHING SCALES (ECONOMIC TYPE)

■ Unit: g, oz, ct, tl



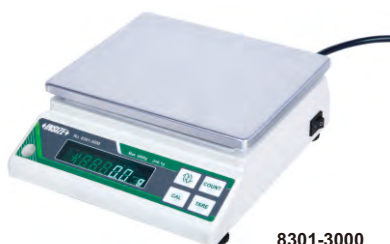
8003-3

SPECIFICATION

| Code | 8003-3 | 8003-6 | 8003-10 |
|-----------------------|--------------------------------|--------|---------|
| List Price (₹) | 1885 | 1885 | 1885 |
| Promotion Price (₹) | 1791 | 1791 | 1791 |
| Maximum weighing | 3kg | 6kg | 10kg |
| Minimum weighing | 2g | 10g | 20g |
| Resolution (d) | 0.1g | 0.5g | 1g |
| Accuracy | ±0.5g | ±2.5g | ±5g |
| Weighing pan size | 157×157mm | | |
| Operation temperature | 5~35°C | | |
| Power supply | 2×AAA batteries, power adapter | | |
| Dimension (L×W) | 160×225mm | | |

ELECTRONIC BALANCES

DATA OUTPUT



8301-3000

- Automatic zero when power on
- Unit: g (gram), ct (carat), ozt (troy ounce)
- Weighing, counting, taring
- Overload alarm
- Data output

SPECIFICATION

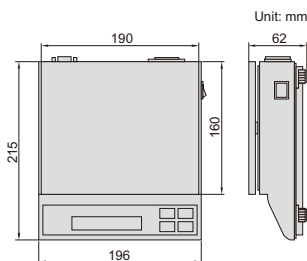
| Code | 8301-300 | 8301-600 | 8301-1200 | 8301-3000 | 8301-6000 |
|---------------------------|--------------------------------------------------------|----------|-----------|--------------------------------------------------------|-----------|
| List Price (₹) | 13768 | 19365 | 29342 | 13768 | 19365 |
| Promotion Price (₹) | 11821 | 16626 | 25191 | 11821 | 16626 |
| Maximum weighing | 300g | 600g | 1200g | 3000g | 6000g |
| Minimum weighing | 0.2g | 0.2g | 0.2g | 2g | 2g |
| Resolution (d) | 0.01g | 0.01g | 0.01g | 0.1g | 0.1g |
| Verification interval (e) | 0.1g | 0.1g | 0.1g | 1g | 1g |
| Accuracy (m is load) | m≤50g: ±0.05g; 50g<m≤200g: ±0.1g; m>200g: ±0.15g | | | m≤500g: ±0.5g; 500g<m≤2000g: ±1g; m>2000g: ±1.5g | |
| Weighing pan size | Ø135mm | | | 190×160mm | |
| Operation temperature | 0~40°C | | | | |
| Operation humidity | ≤80% RH | | | | |
| Power supply | 220V, 50/60Hz | | | | |
| Dimension (L×W×H) | 215×196×62mm | | | | |



windshield
(included in 8301-300,
8301-600 and 8301-1200)



calibration weight
(included in 8301-300,
8301-600 and 8301-1200)



Unit: mm

OPTIONAL ACCESSORY

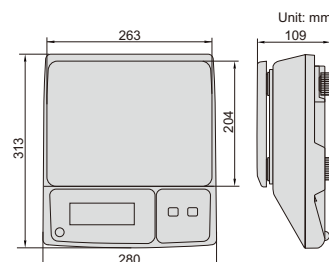
RS232 cable 8301-CABLE

WEIGHING SCALES (OIML CERTIFICATE)

- LCD display, with backlight
- Zero-setting, subtracting tare value
- Overload alarm
- Automatic power off
- OIML certificate (No. 0200-NAWI-04601)



8002-30M



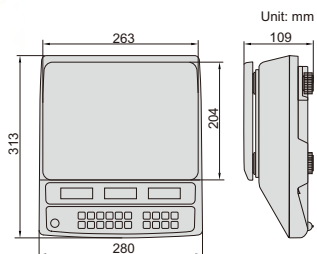
SPECIFICATION

| Code | 8002-6M | 8002-15M | 8002-30M |
|---------------------------|---------------------------------------------------------------|-------------------------------|----------------------------------|
| List Price (₹) | 13591 | 13591 | 13591 |
| Promotion Price (₹) | 12367 | 12367 | 12367 |
| Maximum capacity | 3/6kg | 6/15kg | 15/30kg |
| Minimum capacity | 20g | 40g | 100g |
| Resolution (d) | 1/2g | 2/5g | 5/10g |
| Verification interval (e) | 2g | 5g | 10g |
| Accuracy (m is load) | m≤3kg: ±1g 3kg<m≤6kg: ±2g | m≤6kg: ±2g 6kg<m≤15kg: ±5g | m≤15kg: ±5g 15kg<m≤30kg: ±10g |
| Operation temperature | -10~40°C | | |
| Power | rechargeable battery (6V/3.2Ah), power adapter (12V/500mA) | | |
| Dimensions of pan | 263×204mm | | |

COUNTING SCALES



8101-30



- LCD display, with backlight
- Zero-setting, subtracting tare value, counting, accumulation, checking alarm
- Overload alarm
- Units: kg, g, lb, tj, hj, lb-oz

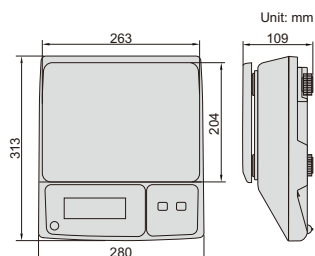
SPECIFICATION

| Code | 8101-6 | 8101-15 | 8101-30 |
|-----------------------|------------------------------------------------------------|------------------------------------------------------|------------------------------------------------|
| List Price (₹) | 13591 | 13591 | 13591 |
| Promotion Price (₹) | 12367 | 12367 | 12367 |
| Maximum weighing | 6kg | 15kg | 30kg |
| Minimum weighing | 4g | 10g | 20g |
| Resolution (d) | 0.2g | 0.5g | 1g |
| Accuracy (m is load) | m≤1kg: ±1g 1kg<m≤4kg: ±2g m>4kg: ±3g | m≤2.5kg: ±2.5g 2.5kg<m≤10kg: ±5g m>10kg: ±7.5g | m≤5kg: ±5g 5kg<m≤20kg: ±10g m>20kg: ±15g |
| Operation temperature | -10~40°C | | |
| Power | rechargeable battery (6V/3.2Ah), power adapter (12V/500mA) | | |
| Dimensions of pan | 263×204mm | | |

WEIGHING SCALES (HIGH PRECISION)



8001-30



- LCD display, with backlight
- Zero-setting, subtracting tare value
- Overload alarm
- Automatic power off

SPECIFICATION

| Code | 8001-6 | 8001-15 | 8001-30 |
|-----------------------|------------------------------------------------------------|------------------------------------------------------|------------------------------------------------|
| List Price (₹) | 15418 | 15418 | 15418 |
| Promotion Price (₹) | 12928 | 12928 | 12928 |
| Maximum weighing | 6kg | 15kg | 30kg |
| Minimum weighing | 4g | 10g | 20g |
| Resolution (d) | 0.2g | 0.5g | 1g |
| Accuracy (m is load) | m≤1kg: ±1g 1kg<m≤4kg: ±2g m>4kg: ±3g | m≤2.5kg: ±2.5g 2.5kg<m≤10kg: ±5g m>10kg: ±7.5g | m≤5kg: ±5g 5kg<m≤20kg: ±10g m>20kg: ±15g |
| Units | kg, lb | | |
| Operation temperature | -10~40°C | | |
| Power | rechargeable battery (6V/3.2Ah), power adapter (12V/500mA) | | |
| Dimensions of pan | 263×204mm | | |

ELECTRONIC POCKET SCALE (ECONOMIC TYPE)

ATTENTION:
LOW ACCURACY



use of pan



8601-100

- LCD display, with backlight
- Zero-setting, subtracting tare value, counting
- Overload alarm
- Automatic power off

SPECIFICATION

| Code | 8601-100 |
|-----------------------|-------------------------------------------------------------------------|
| List Price (₹) | 939 |
| Promotion Price (₹) | 798 |
| Maximum weighing | 100g |
| Minimum weighing | 0.1g |
| Resolution (d) | 0.01g |
| Accuracy (m is load) | 0.1g≤m≤1g: ±0.03g; 1g<m≤30g: ±0.05g 30g<m≤50g: ±0.07g; m>50g: ±0.14g |
| Units | g, oz, dwt, ozt |
| Dimension of pan | 55×64mm |
| Dimension (L×W×H) | 108×65×21mm |
| Operation temperature | -10~40°C |
| Power supply | 2×AAA batteries |

ELECTRONIC POCKET SCALE (ECONOMIC TYPE)

ATTENTION:
LOW ACCURACY



8602-200



use of pan

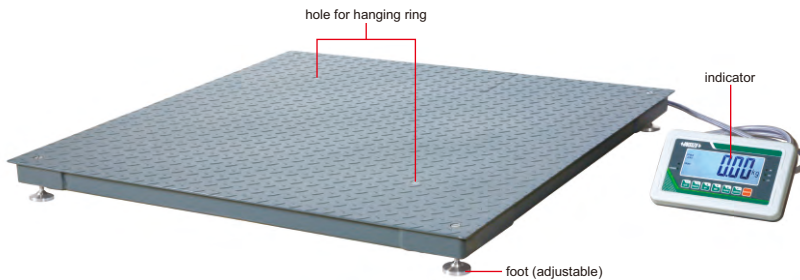
- LCD display, with backlight
- Zero-setting, subtracting tare value, counting
- Overload alarm
- Automatic power off

SPECIFICATION

| | |
|-----------------------|--------------------------------------------------------------------------|
| Code | 8602-200 |
| List Price (₹) | 973 |
| Promotion Price (₹) | 827 |
| Maximum weighing | 200g |
| Minimum weighing | 0.2g |
| Resolution (d) | 0.02g |
| Accuracy (m is load) | 0.2g<m≤2g: ±0.06g; 2g<m≤60g: ±0.1g 60g<m≤100g: ±0.14g; m>100g: ±0.28g |
| Units | g, oz, dwt, ozt |
| Dimension of pan | 55×64mm |
| Dimension (L×W×H) | 120×70×17mm |
| Operation temperature | -10~40°C |
| Power supply | 2×CR2032 batteries |

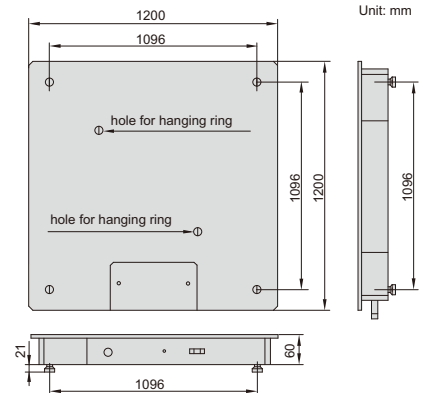
FLOOR SCALES

DATA
OUTPUT



8401-1T1212

- LCD large screen display with automatic backlight
- Zeroing, overweight alarm, deduction, unit conversion, accumulating, animal scale, etc.
- Units: kg, g, lb, oz
- OIML approved load cell



SPECIFICATION

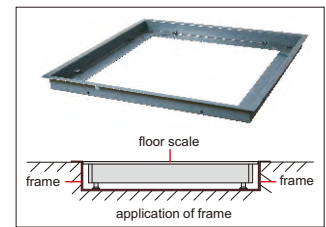
| Code | 8401-1T1212 | 8401-2T1212 | 8401-3T1212 |
|---------------------------|---------------------------------------------|---------------------------------------------------------------|-------------|
| List Price (₹) | 90808 | 90808 | 90808 |
| Promotion Price (₹) | 78594 | 78594 | 78594 |
| Maximum weighing | 1t | 2t | 3t |
| Minimum weighing | 10kg | 20kg | 20kg |
| Resolution (d) | 0.5kg | 1kg | 1kg |
| Verification interval (e) | 0.5kg | 1kg | 1kg |
| Accuracy (m is load) | m≤250kg: ±0.25kg; 250kg<m≤1000kg: ±0.5kg | m≤500kg: ±0.5kg; 500kg<m≤2000kg: ±1kg; m>2000kg: ±1.5kg | |
| Load cell | 4 pcs 350Ω | | |
| Operation temperature | -10~40°C | | |
| Material | mild steel | | |
| Dimension of platform | 1200×1200mm | | |
| Power | rechargeable lead acid battery (6V/4Ah) | | |
| Output | RS232 | | |
| Weight | 140kg | | |



printer (optional)



stand (optional)



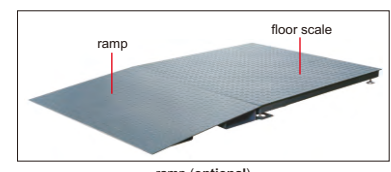
frame (optional)

STANDARD DELIVERY

| | |
|----------------------|-------|
| Main unit | 1 pc |
| Indicator | 1 pc |
| AC/DC adapter | 1 pc |
| Stainless steel foot | 4 pcs |
| Hanging ring | 2 pcs |

OPTIONAL ACCESSORY

| | |
|---------|--------------|
| Ramp | 8401-1212-1 |
| Frame | 8401-1212-2 |
| Stand | 8401-STAND |
| Printer | 8001-PRINTER |



ramp (optional)

PLATFORM SCALES

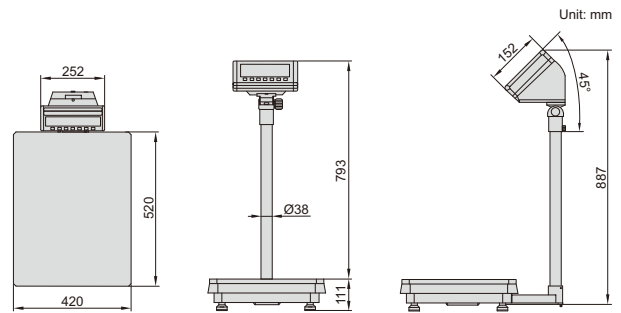
DATA
OUTPUT



printer (optional)



8501-AL150



SPECIFICATION

| Code | 8501-AL60 | 8501-AL150 | 8501-AL300 |
|-----------------------|----------------------------------------------------|------------|------------|
| List Price (₹) | 36542 | 36542 | 36542 |
| Promotion Price (₹) | 33295 | 33295 | 33295 |
| Maximum weighing | 60kg | 150kg | 300kg |
| Minimum weighing | 100g | 200g | 400g |
| Resolution (d) | 5g | 10g | 20g |
| Accuracy | ±10g | ±20g | ±30g |
| Operation temperature | -10~40°C | | |
| Material | platform: stainless steel, base: die-cast aluminum | | |
| Dimension of platform | 420×520mm | | |
| Power | rechargeable lead acid battery (6V/4Ah) | | |
| Output | RS232 | | |
| Weight | 18.3kg | | |

- LCD large screen display with LED backlight
- Weighing, overweight alarm, counting, keyboard lock, accumulating, auto zero and animal scale
- Units: kg, g, lb, oz

OPTIONAL ACCESSORY

Printer 8001-PRINTER

ELECTRONIC CRANE SCALES (BASIC TYPE)

- LED display, remote control
- Low voltage indicator
- Unit: kg, lb
- Automatic power off
- Overload alarm
- 360° safe rotary hook and shackle
- Plastic case

SPECIFICATION

| Code | 8202-50KG | 8202-150KG | 8202-300KG |
|---------------------------|--------------------------------------------|---------------|---------------|
| List Price (₹) | 9363 | 9363 | 9363 |
| Promotion Price (₹) | 8039 | 8039 | 8039 |
| Maximum weighing | 50kg | 150kg | 300kg |
| Minimum weighing | 0.4kg | 1.0kg | 2.0kg |
| Resolution (d) | 0.02kg/0.01kg | 0.05kg/0.02kg | 0.10kg/0.05kg |
| Verification interval (e) | 0.02kg | 0.05kg | 0.10kg |
| Accuracy | ±0.02kg | ±0.05kg | ±0.10kg |
| Operation temperature | -10~40°C | | |
| Operation humidity | 30%~90% RH | | |
| Overload alarm | 100%F.S.+9e | | |
| Maximum safe load | 125%F.S. | | |
| Limited overload | 400%F.S. | | |
| Power supply | 4×1.5V AA batteries (for 40 hours working) | | |
| Stable reading time | ≤8s | | |

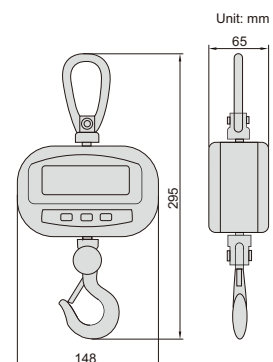
STANDARD DELIVERY

| | |
|-------------------|------|
| Main unit | 1 pc |
| Remote controller | 1 pc |



Remote controller (included)

8202-150KG



ELECTRONIC CRANE SCALES

IP65
WATERPROOF

- Dust/waterproof level: IP65
- LED display, remote control
- Low voltage indicator
- Unit: kg, lb
- Automatic power off
- Overload alarm
- 360° safe rotary hook and shackle
- Aluminum alloy die casting case with high strength

SPECIFICATION

| Code | 8201-50KG | 8201-150KG | 8201-300KG |
|---------------------------|----------------------------------------------------|---------------|---------------|
| List Price (₹) | 16464 | 16464 | 16464 |
| Promotion Price (₹) | 14135 | 14135 | 14135 |
| Maximum weighing | 50kg | 150kg | 300kg |
| Minimum weighing | 0.4kg | 1.0kg | 2.0kg |
| Resolution (d) | 0.02kg/0.01kg | 0.05kg/0.02kg | 0.10kg/0.05kg |
| Verification interval (e) | 0.02kg | 0.05kg | 0.10kg |
| Accuracy | ±0.02kg | ±0.05kg | ±0.10kg |
| Operation temperature | -10~40°C | | |
| Operation humidity | 30%~90% RH | | |
| Overload alarm | 100%F.S.+9e | | |
| Maximum safe load | 125%F.S. | | |
| Limited overload | 400%F.S. | | |
| Power supply | rechargeable battery 6V/3Ah (for 40 hours working) | | |
| Stable reading time | ≤8s | | |

STANDARD DELIVERY

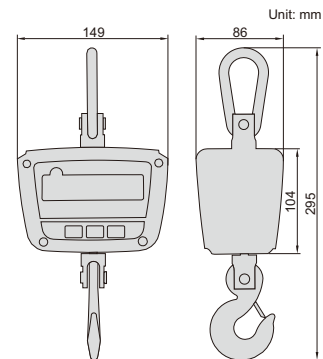
| | |
|-------------------|------|
| Main unit | 1 pc |
| Remote controller | 1 pc |
| Battery charger | 1 pc |



Remote controller
(included)



8201-150KG



DIGITAL TORQUE TESTERS

ATTENTION: NOT SUITABLE FOR ELECTRIC WRENCHES, IMPACT WRENCHES OR PNEUMATIC WRENCHES



- Test torque wrenches, torque screwdrivers and other torque tools
- Clockwise operation
- Peak, track and first peak working modes
- Tolerance testing
- LED indicator for target torque alarm:
 - Green LED light on when the value is within tolerance;
 - Red LED light on when the value is above the high tolerance
- Power off automatically in 2 minutes without any operations



IST-04TT350
type A



IST-04TT815
type B

SPECIFICATION

| Code | IST-04TT5 | IST-04TT28 | IST-04TT68 | IST-04TT350 | IST-04TT815 | IST-04TT1000 | IST-04TT2000 |
|--------------------------|--------------------------|------------|------------|-------------|-------------|--------------|--------------|
| List Price (₹) | 76563 | 76563 | 68578 | 68578 | 77290 | 77290 | 77290 |
| Promotion Price (₹) | 68907 | 68907 | 61720 | 61720 | 69561 | 69561 | 69561 |
| Type | A | | | | B | | |
| Range | 0.5~5N.m | 2.8~28N.m | 6.8~68N.m | 35~350N.m | 81.5~815N.m | 100~1000N.m | 200~2000N.m |
| Accuracy | ±1% (clockwise) | | | | | | |
| Resolution | 0.001N.m | 0.01N.m | 0.01N.m | 0.1N.m | 0.1N.m | 1N.m | 1N.m |
| Unit | N.m, in.lb, ft.lb, kg.cm | | | | | N.m, ft.lb | |
| Square socket/hex driver | 1/4" | 3/8" | 3/8" | 1/2" | 27mm | 27mm | 27mm |
| Power supply | DC | | | | | | |
| Weight | 0.75kg | 0.75kg | 1.1kg | 1.1kg | 5.1kg | 5.1kg | 5.1kg |

STANDARD DELIVERY

| | |
|---------------|------|
| Main unit | 1 pc |
| AC/DC adapter | 1 pc |

MECHANICAL TORQUE WRENCHES (DIGITAL SETTING)

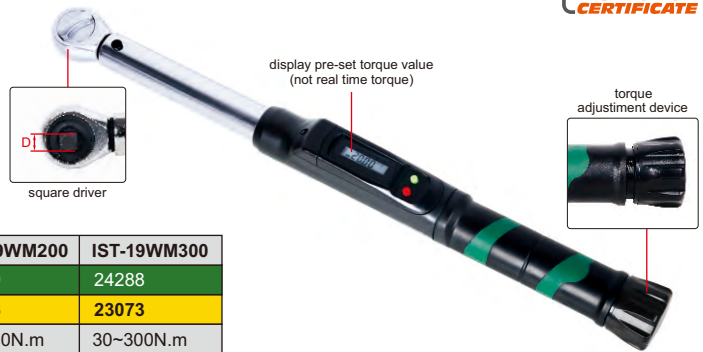
ATTENTION: CLOCKWISE OPERATION ONLY

ATTENTION: DISPLAY PRE-SET TORQUE VALUE (NOT REAL TIME TORQUE)

- Unit: N.m, in.lb, ft.lb, kg.cm
- Mechanical "click" torque wrench, the pre-set torque value is shown on the display

SPECIFICATION

| Code | IST-19WM60 | IST-19WM100 | IST-19WM140 | IST-19WM200 | IST-19WM300 |
|---------------------|------------|-------------|-------------|-------------|-------------|
| List Price (₹) | 15084 | 17637 | 20517 | 21259 | 24288 |
| Promotion Price (₹) | 14330 | 16755 | 19491 | 20196 | 23073 |
| Range (clockwise) | 6~60N.m | 10~100N.m | 14~140N.m | 20~200N.m | 30~300N.m |
| Accuracy | ±3% | ±3% | ±3% | ±3% | ±3% |
| Graduation | 0.1N.m | 0.1N.m | 0.1N.m | 0.1N.m | 0.1N.m |
| Square driver (D) | 3/8" | 3/8" | 1/2" | 1/2" | 1/2" |
| Length | 382mm | 450mm | 481mm | 520mm | 585mm |
| Weight | 1.3kg | 1.4kg | 1.45kg | 1.6kg | 1.8kg |



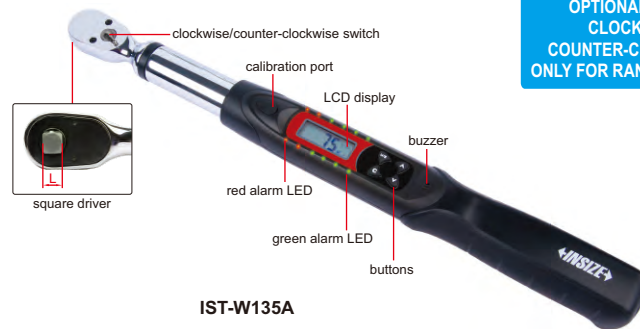
IST-19WM100



DIGITAL TORQUE WRENCHES

- Clockwise and counter-clockwise operation
- Unit: N.m, in.lb, ft.lb, kg.cm
- Peak and track working modes
- Target torque value can be set, with audible and visible alarm:
 - Green LED light on and buzzer sounds when torque value is 90%~100% of target torque
 - Both green and red LED light on and buzzer sounds when target torque value is reached
- Power off automatically in 5 minutes without any operations
- Non-slip grip handle
- With damp record
- With overload record (once the torque reaches 110% of the maximum range)

OPTIONAL ACCURACY:
CLOCKWISE: ±1%
COUNTER-CLOCKWISE: ±2%
ONLY FOR RANGE FOR 6~850N.m



IST-W135A



SPECIFICATION

| Code | Range | Accuracy | Resolution | Square driver (L) | Power supply | Length | Weight | List Price (₹) | Promotion Price (₹) |
|------------|-------------|----------------------------------------------|------------|-------------------|----------------|--------|--------|----------------|---------------------|
| IST-W30A | 6~30N.m | clockwise: ±2% counter-clockwise: ±3% | 0.01N.m | 1/4" | 2×AA batteries | 390mm | 830g | 20724 | 20102 |
| IST-W135A | 27~135N.m | | 0.1N.m | 3/8" | | 415mm | 950g | 21626 | 20977 |
| IST-W200A | 40~200N.m | | 0.1N.m | 1/2" | | 530mm | 1.4kg | 24734 | 23992 |
| IST-W340A | 68~340N.m | | 0.1N.m | 1/2" | | 650mm | 1.6kg | 26524 | 25728 |
| IST-W500A | 100~500N.m | clockwise: ±2.5% counter-clockwise: ±3.5% | 0.1N.m | 3/4" | | 950mm | 2.1kg | 63190 | 61294 |
| IST-W850A | 170~850N.m | | 0.1N.m | 3/4" | | 1220mm | 2.55kg | 72747 | 70565 |
| IST-W1200A | 240~1200N.m | | 1N.m | 1" | | 1800mm | 13kg | 117482 | 113958 |
| IST-W1500A | 300~1500N.m | | 1N.m | 1" | | 1800mm | 13kg | 131565 | 127618 |
| IST-W2000A | 400~2000N.m | | 1N.m | 1" | | 1800mm | 14kg | 155470 | 150806 |
| | | | | | | 1800mm | 14kg | 155470 | 150806 |

OPTIONAL ACCESSORY

| | |
|-------------------|-------------|
| Calibration cable | IST-W-CABLE |
|-------------------|-------------|

TORQUE SCREWDRIVERS

ATTENTION: CLOCKWISE OPERATION ONLY



T-bar wrench (for IST-MG250, IST-MG360, IST-MG600)

SPECIFICATION

| Code | IST-MG100 | IST-MG250 | IST-MG360 | IST-MG600 |
|---------------------|-----------------|------------|------------|------------|
| List Price (₹) | 12440 | 13210 | 13980 | 15520 |
| Promotion Price (₹) | 11276 | 11973 | 12671 | 14067 |
| Range (clockwise) | 20~100cN.m | 50~250cN.m | 60~360cN.m | 1.0~6.0N.m |
| Graduation | 2cN.m | 5cN.m | 5cN.m | 0.1N.m |
| Head | 1/4" hex socket | | | |
| Accuracy | ±6% | | | |
| Length | 172mm | | | |
| Weight | 0.26kg | | | |



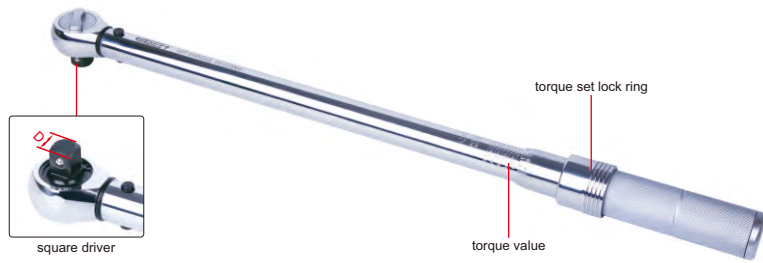
IST-MG100

STANDARD DELIVERY

| | |
|----------------------------------------------------|------|
| Torque screwdriver | 1 pc |
| T-bar wrench (for IST-MG250, IST-MG360, IST-MG600) | 1 pc |

TORQUE WRENCHES

ATTENTION: CLOCKWISE OPERATION ONLY



- According to DIN ISO 6789, ASME B107.300
- All-metal construction, sturdy and durable

IST-9WM335

SPECIFICATION

| Code | IST-9WM12 | IST-9WM20 | IST-9WM30 | IST-9WM60 | IST-9WM100 | IST-9WM125 | IST-9WM200 |
|---------------------|------------------------------|------------------------------|------------------------------|-----------|------------|------------|------------|
| List Price (₹) | 7652 | 7866 | 7341 | 7503 | 7779 | 8334 | 8355 |
| Promotion Price (₹) | 7422 | 7063 | 6592 | 6738 | 6985 | 7485 | 7505 |
| Range (clockwise) | 2.5~12N.m | 4~20N.m | 6~30N.m | 10~60N.m | 20~100N.m | 25~125N.m | 40~200N.m |
| Accuracy | ±6% (<10N.m) ±4% (≥10N.m) | ±6% (<10N.m) ±4% (≥10N.m) | ±6% (<10N.m) ±4% (≥10N.m) | ±4% | ±4% | ±4% | ±4% |
| Graduation | 0.1N.m | 0.1N.m | 0.2N.m | 0.5N.m | 0.5N.m | 0.5N.m | 1N.m |
| Square driver (D) | 1/4" | 1/4" | 3/8" | 3/8" | 1/2" | 1/2" | 1/2" |
| Length | 290mm | 290mm | 318mm | 388mm | 443mm | 443mm | 468mm |
| Weight | 680g | 680g | 820g | 960g | 1040g | 1040g | 1160g |

| Code | IST-9WM335 | IST-9WM500 | IST-9WM800 | IST-9WM1000 | IST-9WM1500 | IST-9WM2000 | IST-9WM3000 |
|---------------------|------------|------------|------------|-------------|-------------|-------------|-------------|
| List Price (₹) | 8941 | 46730 | 49325 | 49325 | 76285 | 76285 | 100898 |
| Promotion Price (₹) | 8030 | 41967 | 47845 | 47845 | 73996 | 73996 | 97871 |
| Range (clockwise) | 65~335N.m | 100~500N.m | 160~800N.m | 200~1000N.m | 300~1500N.m | 400~2000N.m | 600~3000N.m |
| Accuracy | ±4% | ±4% | ±4% | ±4% | ±4% | ±4% | ±4% |
| Graduation | 1N.m | 2.5N.m | 4N.m | 5N.m | 5N.m | 10N.m | 15N.m |
| Square driver (D) | 1/2" | 3/4" | 3/4" | 3/4" | 1" | 1" | 1" |
| Length | 528mm | 855mm | 1055mm | 1055mm | 1260mm | 1260mm | 1260mm |
| Weight | 1300g | 5000g | 5900g | 5900g | 9200g | 9200g | 10500g |

DIAL TORQUE WRENCHES



- Clockwise and counter-clockwise operation
- According to DIN ISO 6789, ASME B107.300

IST-DW70

SPECIFICATION

| Code | IST-DW1D8 | IST-DW3D5 | IST-DW9 | IST-DW18 | IST-DW35 | IST-DW70 | IST-DW140 | IST-DW240 | IST-DW350 | IST-DW480 |
|---------------------|--------------------------|-------------------------|------------------------|--------------------------|------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| List Price (₹) | 14958 | 13492 | 13492 | 13955 | 13955 | 15601 | 17941 | 17941 | 17941 | 49205 |
| Promotion Price (₹) | 13462 | 12166 | 12166 | 12580 | 12580 | 14064 | 16169 | 16169 | 16169 | 47729 |
| Range | 0.36~1.8N.m 3~16in.lb | 0.7~3.5N.m 6~30in.lb | 1.8~9N.m 15~75in.lb | 3.6~18N.m 30~150in.lb | 7~35N.m 60~300in.lb | 14~70N.m 120~600in.lb | 28~140N.m 20~100ft.lb | 48~240N.m 35~175ft.lb | 70~350N.m 50~250ft.lb | 96~480N.m 70~350ft.lb |
| Accuracy | ±3% | ±3% | ±3% | ±3% | ±3% | ±3% | ±3% | ±3% | ±3% | ±3% |
| Graduation | 0.02N.m 0.2in.lb | 0.05N.m 0.5in.lb | 0.1N.m 1in.lb | 0.2N.m 2in.lb | 0.5N.m 5in.lb | 1N.m 10in.lb | 2N.m 1ft.lb | 3N.m 2.5ft.lb | 2.5N.m 2.5ft.lb | 6N.m 5ft.lb |
| Square driver (D) | 1/4" | 1/4" | 1/4" | 3/8" | 3/8" | 3/8" | 1/2" | 1/2" | 1/2" | 3/4" |
| Length | 254mm | 254mm | 254mm | 254mm | 254mm | 378mm | 546mm | 546mm | 546mm | 708mm |
| Weight | 480g | 480g | 480g | 480g | 480g | 820g | 1300g | 1300g | 1300g | 4030g |

CODE NO. INDEX

| CODE | PAGE | CODE | PAGE | CODE | PAGE | CODE | PAGE |
|-----------|------|-----------|------|-----------|-------|-----------|------|
| 00 | | 1147..... | 21 | 1253..... | 28 | 2179..... | 158 |
| 0010..... | 146 | 1148..... | 22 | 1262..... | 15 | 2183..... | 47 |
| 01 | | 1149..... | 21 | 1267..... | 88 | 2188..... | 47 |
| 0110..... | 144 | 1150..... | 26 | 1273..... | 20 | 2189..... | 71 |
| 0120..... | 146 | 1151..... | 27 | 1281..... | 21 | 22 | |
| 0130..... | 145 | 1154..... | 28 | 1291..... | 16 | 2222..... | 66 |
| 0131..... | 145 | 1155..... | 25 | 13 | | 2223..... | 67 |
| 02 | | 1156..... | 27 | 1311..... | 7 | 2275..... | 83 |
| 0210..... | 141 | 1157..... | 26 | 1312..... | 7 | 2276..... | 98 |
| 03 | | 1160..... | 89 | 1340..... | 23 | 2278..... | 98 |
| 0310..... | 143 | 1161..... | 19 | 1351..... | 27 | 23 | |
| 0311..... | 143 | 1165..... | 19 | 15 | | 2301..... | 56 |
| 04 | | 1166..... | 99 | 1501..... | 48 | 2302..... | 56 |
| 0411..... | 156 | 1169..... | 18 | 1520..... | 15 | 2311..... | 55 |
| 0431..... | 156 | 1170..... | 7 | 1524..... | 18 | 2313..... | 55 |
| 11 | | 1171..... | 6 | 1525..... | 18 | 2314..... | 56 |
| 1103..... | 5 | 1172..... | 19 | 1526..... | 11~12 | 2321..... | 67 |
| 1106..... | 8 | 1176..... | 15 | 1530..... | 14 | 2322..... | 44 |
| 1108..... | 5 | 1177..... | 19 | 1537..... | 88 | 2332..... | 68 |
| 1110..... | 6 | 1178..... | 16 | 1539..... | 20 | 2333..... | 67 |
| 1111..... | 7 | 1180..... | 88 | 21 | | 2341..... | 24 |
| 1112..... | 6 | 1181..... | 20 | 2103..... | 51 | 2342..... | 24 |
| 1113..... | 4 | 1183..... | 17 | 2104..... | 51 | 2344..... | 139 |
| 1114..... | 5 | 1185..... | 17 | 2108..... | 53 | 2361..... | 70 |
| 1115..... | 4 | 1186..... | 19 | 2112..... | 50 | 2363..... | 70 |
| 1119..... | 6 | 1187..... | 17 | 2114..... | 53 | 2364..... | 68 |
| 1120..... | 15 | 1188..... | 18 | 2115..... | 52 | 2365..... | 68 |
| 1121..... | 15 | 1189..... | 20 | 2133..... | 49 | 2367..... | 69 |
| 1122..... | 20 | 1191..... | 16 | 2138..... | 52 | 2372..... | 81 |
| 1124..... | 14 | 1192..... | 17 | 2139..... | 52 | 2374..... | 80 |
| 1125..... | 13 | 1196..... | 5 | 2140..... | 49 | 2380..... | 58 |
| 1126..... | 4 | 1199..... | 16 | 2141..... | 24 | 2381..... | 58 |
| 1130..... | 6 | 12 | | 2149..... | 48 | 2385..... | 102 |
| 1135..... | 9 | 1205..... | 8 | 2164..... | 71 | 2386..... | 58 |
| 1136..... | 9 | 1214..... | 9 | 2166..... | 71 | 27 | |
| 1139..... | 7 | 1215..... | 9 | 2168..... | 71 | 2710..... | 70 |
| 1140..... | 24 | 1217..... | 8 | 2170..... | 158 | 2711..... | 67 |
| 1141..... | 21 | 1233..... | 7 | 2171..... | 79 | 2771..... | 81 |
| 1142..... | 22 | 1238..... | 8 | 2172..... | 81 | 28 | |
| 1143..... | 22 | 1240..... | 23 | 2173..... | 158 | 2824..... | 46 |
| 1144..... | 22 | 1244..... | 23 | 2174..... | 78 | 2825..... | 44 |
| 1145..... | 23 | 1250..... | 28 | 2175..... | 157 | 2827..... | 45 |
| 1146..... | 29 | 1251..... | 28 | 2176..... | 79 | 2828..... | 45 |

**CODE NO. INDEX**

| CODE | PAGE |
|-----------|-------|
| 2852..... | 44 |
| 2853..... | 45 |
| 2862..... | 70 |
| 2863..... | 70 |
| 2866..... | 70 |
| 2871..... | 68 |
| 2872..... | 69 |
| 2873..... | 69 |
| 2877..... | 69 |
| 2878..... | 64 |
| 2879..... | 68 |
| 29 | |
| 2931..... | 11 |
| 31 | |
| 3101..... | 30 |
| 3108..... | 30 |
| 3109..... | 30 |
| 3127..... | 41~42 |
| 3128..... | 42 |
| 32 | |
| 3203..... | 31 |
| 3205..... | 32 |
| 3206..... | 33 |
| 3210..... | 32 |
| 3220..... | 42 |
| 3221..... | 43 |
| 3222..... | 43 |
| 3227..... | 40 |
| 3230..... | 36 |
| 3232..... | 37 |
| 3233..... | 37 |
| 3236..... | 32 |
| 3238..... | 38 |
| 3240..... | 25 |
| 3241..... | 25 |
| 3260..... | 37 |
| 3261..... | 37 |
| 3263..... | 39 |
| 3266..... | 37 |
| 3281..... | 36 |
| 3282..... | 38 |
| 3283..... | 38 |
| 3285..... | 39 |

| CODE | PAGE |
|-----------|------|
| 3287..... | 34 |
| 3291..... | 36 |
| 33 | |
| 3331..... | 34 |
| 3332..... | 34 |
| 3334..... | 70 |
| 3350..... | 29 |
| 34 | |
| 3400..... | 31 |
| 35 | |
| 3506..... | 33 |
| 3520..... | 43 |
| 3540..... | 25 |
| 3581..... | 35 |
| 3594..... | 38 |
| 40 | |
| 4006..... | 101 |
| 41 | |
| 4100..... | 73 |
| 4101..... | 72 |
| 4105..... | 73 |
| 4110..... | 74 |
| 4118..... | 74 |
| 4120..... | 77 |
| 4124..... | 75 |
| 4130..... | 77 |
| 4141..... | 82 |
| 4147..... | 83 |
| 4160..... | 71 |
| 4166..... | 74 |
| 4176..... | 72 |
| 4180..... | 84 |
| 4190..... | 78 |
| 4191..... | 84 |
| 42 | |
| 4206..... | 46 |
| 4208..... | 47 |
| 4209..... | 47 |
| 46 | |
| 4601..... | 84 |
| 4602..... | 84 |
| 4605..... | 85 |
| 4621..... | 85 |

| CODE | PAGE |
|-----------|------|
| 4630..... | 89 |
| 47 | |
| 4700..... | 83 |
| 4707..... | 83 |
| 4721..... | 66 |
| 4725..... | 65 |
| 4726..... | 65 |
| 4728..... | 66 |
| 4745..... | 83 |
| 4770..... | 82 |
| 4778..... | 80 |
| 4779..... | 80 |
| 4780..... | 79 |
| 4781..... | 79 |
| 4782..... | 66 |
| 4786..... | 65 |
| 4789..... | 65 |
| 4790..... | 82 |
| 4791..... | 82 |
| 4797..... | 80 |
| 4799..... | 80 |
| 48 | |
| 4801..... | 87 |
| 4803..... | 95 |
| 4804..... | 87 |
| 4806..... | 87 |
| 4807..... | 86 |
| 4808..... | 95 |
| 4809..... | 95 |
| 4810..... | 86 |
| 4812..... | 86 |
| 4820..... | 85 |
| 4824..... | 86 |
| 4830..... | 90 |
| 4831..... | 90 |
| 4832..... | 91 |
| 4833..... | 89 |
| 4834..... | 91 |
| 4835..... | 92 |
| 4836..... | 91 |
| 4837..... | 89 |
| 4838..... | 92 |
| 4839..... | 94 |

| CODE | PAGE |
|-----------|------|
| 4840..... | 93 |
| 4841..... | 93 |
| 4842..... | 95 |
| 4843..... | 95 |
| 4844..... | 87 |
| 4845..... | 140 |
| 4846..... | 93 |
| 4847..... | 91 |
| 4848..... | 91 |
| 4849..... | 92 |
| 4851..... | 93 |
| 4852..... | 90 |
| 4853..... | 96 |
| 4854..... | 94 |
| 4855..... | 90 |
| 49 | |
| 4902..... | 158 |
| 4903..... | 159 |
| 4910..... | 159 |
| 4911..... | 159 |
| 4912..... | 160 |
| 4913..... | 160 |
| 4914..... | 160 |
| 4917..... | 161 |
| 4918..... | 161 |
| 4920..... | 160 |
| 50 | |
| 5064..... | 94 |
| 5071..... | 94 |
| 5072..... | 94 |
| 51 | |
| 5103..... | 127 |
| 5106..... | 128 |
| 52 | |
| 5201..... | 157 |
| 53 | |
| 5302..... | 121 |
| 5307..... | 123 |
| 5309..... | 123 |
| 5311..... | 124 |
| 5313..... | 120 |
| 57 | |
| 5700..... | 150 |

CODE NO. INDEX

| CODE | PAGE | CODE | PAGE | CODE | PAGE | CODE | PAGE |
|-----------|-------|--------------|------|-----------|------|-----------------|------|
| 5701..... | 149 | 6557..... | 103 | 7232..... | 99 | 8401..... | 178 |
| 5702..... | 151 | 6558..... | 103 | 7260..... | 96 | 85 | |
| 61 | | 6562..... | 102 | 7261..... | 96 | 8501..... | 179 |
| 6140..... | 10 | 6566..... | 102 | 7262..... | 96 | 86 | |
| 6141..... | 23 | 6567..... | 102 | 73 | | 8601..... | 177 |
| 6143..... | 17 | 6568..... | 102 | 7302..... | 3 | 8602..... | 178 |
| 6144..... | 10 | 6582..... | 101 | 7315..... | 1~2 | 91 | |
| 6145..... | 10 | 6584..... | 101 | 7331..... | 56 | 9132..... | 142 |
| 62 | | 68 | | 7342..... | 75 | 92 | |
| 6200..... | 61 | 6801..... | 100 | 7353..... | 46 | 9223..... | 148 |
| 6201..... | 61 | 6805..... | 100 | 7391..... | 36 | 9224..... | 147 |
| 6202..... | 61 | 6841..... | 64 | 7394..... | 35 | 9225..... | 148 |
| 6207..... | 62 | 6876..... | 63 | 75 | | 9241..... | 154 |
| 6208..... | 59 | 69 | | 7511..... | 131 | 9242..... | 155 |
| 6210..... | 60 | 6990..... | 99 | 7512..... | 132 | 9243..... | 153 |
| 6211..... | 62 | 71 | | 7513..... | 132 | 9246..... | 155 |
| 6216..... | 61 | 7101..... | 104 | 7514..... | 131 | 9247..... | 154 |
| 6219..... | 61 | 7102..... | 104 | 7515..... | 131 | 93 | |
| 6221..... | 61 | 7106-1A..... | 54 | 7516..... | 130 | 9331..... | 144 |
| 6224..... | 62 | 7107-1..... | 55 | 7517..... | 130 | 9341..... | 146 |
| 6225..... | 62 | 7107-2..... | 55 | 7518..... | 132 | 9353..... | 147 |
| 6226..... | 63 | 7107-11..... | 54 | 7520..... | 131 | 9362..... | 142 |
| 6227..... | 63 | 7107-12..... | 54 | 7521..... | 131 | 95 | |
| 6228..... | 62 | 7110..... | 97 | 7522..... | 132 | 9501..... | 139 |
| 6229..... | 60 | 7114..... | 48 | 7523..... | 132 | 9561..... | 141 |
| 6230..... | 63 | 7119..... | 97 | 7524..... | 131 | 97 | |
| 6272..... | 61 | 7120..... | 98 | 7525..... | 130 | 9720..... | 151 |
| 6282..... | 57~58 | 7123..... | 98 | 76 | | 9721..... | 153 |
| 6291..... | 59 | 7130..... | 53 | 7600..... | 152 | 9722..... | 153 |
| 6293..... | 59 | 7144..... | 96 | 80 | | 9723..... | 152 |
| 6294..... | 59 | 7145..... | 97 | 8001..... | 177 | DSW | |
| 6295..... | 59 | 7146..... | 97 | 8002..... | 176 | DSW-A010..... | 152 |
| 6296..... | 59 | 7160..... | 133 | 8003..... | 176 | HDT | |
| 6297..... | 58 | 7161..... | 133 | 81 | | HDT-L410..... | 168 |
| 63 | | 7162..... | 133 | 8101..... | 177 | HDT-L411..... | 169 |
| 6300..... | 39 | 7163..... | 133 | 82 | | HDT-LP200..... | 169 |
| 6301..... | 39 | 7164..... | 133 | 8201..... | 180 | HDT-LP320..... | 167 |
| 6312..... | 76 | 72 | | 8202..... | 179 | HDT-MV290..... | 165 |
| 6381..... | 39 | 7202..... | 99 | 83 | | HDT-MV290S..... | 165 |
| 65 | | 7203..... | 99 | 8301..... | 176 | HDT-RA151..... | 164 |
| 6531..... | 100 | 7205..... | 99 | 8303..... | 175 | HDT-RW160..... | 164 |
| 6533..... | 101 | 7230..... | 99 | 8304..... | 175 | HDT-VD50A..... | 166 |
| 6556..... | 103 | 7231..... | 99 | 84 | | ISD | |



CODE NO. INDEX

| CODE | PAGE |
|--------------|---------|
| ISD-V150A | 115~116 |
| ISD-V220CNCA | 116~117 |
| ISD-V250A | 115~116 |
| ISD-V300A | 115~116 |
| ISD-VMM205D | 119~120 |
| ISE | |
| ISE-2DT | 157 |
| ISF | |
| ISF-F10 | 172 |
| ISF-F20 | 172 |
| ISF-F30 | 172 |
| ISF-F50 | 172 |
| ISF-F100 | 172 |
| ISF-F200 | 172 |
| ISF-F300 | 172 |
| ISF-F500 | 172 |
| ISF-1DF10 | 174 |
| ISF-1DF50 | 174 |
| ISF-1DF100 | 174 |
| ISF-1DF500 | 174 |
| ISF-1DF1000 | 174 |
| ISF-MT1K | 174 |
| ISF-MT500 | 173 |
| ISF-S10 | 173 |
| ISF-S20 | 173 |
| ISF-S30 | 173 |
| ISF-S50 | 173 |
| ISF-S100 | 173 |
| ISF-S200 | 173 |
| ISF-S300 | 173 |
| ISF-S500 | 173 |
| ISF-S1000 | 173 |
| ISF-S2000 | 173 |
| ISF-S5000 | 173 |
| ISF-TGD1 | 174 |
| ISF-TGD3 | 174 |
| ISF-TGD5 | 174 |
| ISF-TG1 | 174 |
| ISF-TG5 | 174 |
| ISGF | |
| ISGF-0901 | 100 |
| ISHB | |
| ISHB-B300 | 170 |

| CODE | PAGE |
|---------------|------|
| ISHB-M100 | 166 |
| ISHR | |
| ISHR-P151 | 170 |
| ISHW | |
| ISHW-L20 | 170 |
| ISH | |
| ISH-DSA | 171 |
| ISH-DSD | 171 |
| ISH-DSOO | 171 |
| ISH-DS-STANDA | 171 |
| ISH-MRD200 | 163 |
| ISH-RSR400 | 162 |
| ISH-SAM | 172 |
| ISH-SDM | 172 |
| ISH-STAC | 172 |
| ISH-STD | 172 |
| ISL | |
| ISL-B5-100 | 105 |
| ISL-B5-1000 | 105 |
| ISL-B5-300 | 105 |
| ISL-B5-500 | 105 |
| ISL-DR2 | 105 |
| ISL-DR3 | 105 |
| ISL-SET1 | 106 |
| ISM | |
| ISM-DL301 | 122 |
| ISM-PM100 | 129 |
| ISM-PM200SA | 125 |
| ISM-WF200 | 126 |
| ISM-ZS100T | 127 |
| ISM-ZS30 | 129 |
| ISM-ZS50 | 128 |
| ISO | |
| ISO-1000FN | 138 |
| ISO-1200FN | 138 |
| ISO-8000FN | 137 |
| ISP | |
| ISP-Z3015 | 113 |
| ISQ | |
| ISQ-DG6 | 150 |
| ISQ-DRM31 | 151 |
| ISQ-RM30 | 152 |
| ISR | |

| CODE | PAGE |
|--------------|---------|
| ISR-C002 | 107 |
| ISR-C003 | 109 |
| ISR-C300 | 108~109 |
| IST | |
| IST-04TT5 | 180 |
| IST-04TT28 | 180 |
| IST-04TT68 | 180 |
| IST-04TT350 | 180 |
| IST-04TT815 | 180 |
| IST-04TT1000 | 180 |
| IST-04TT2000 | 180 |
| IST-19WM60 | 181 |
| IST-19WM100 | 181 |
| IST-19WM140 | 181 |
| IST-19WM200 | 181 |
| IST-19WM300 | 181 |
| IST-9WM12 | 182 |
| IST-9WM20 | 182 |
| IST-9WM30 | 182 |
| IST-9WM60 | 182 |
| IST-9WM100 | 182 |
| IST-9WM125 | 182 |
| IST-9WM200 | 182 |
| IST-9WM335 | 182 |
| IST-9WM500 | 182 |
| IST-9WM800 | 182 |
| IST-9WM1000 | 182 |
| IST-9WM1500 | 182 |
| IST-9WM2000 | 182 |
| IST-9WM3000 | 182 |
| IST-DW1D8 | 182 |
| IST-DW3D5 | 182 |
| IST-DW9 | 182 |
| IST-DW18 | 182 |
| IST-DW35 | 182 |
| IST-DW70 | 182 |
| IST-DW140 | 182 |
| IST-DW240 | 182 |
| IST-DW350 | 182 |
| IST-DW480 | 182 |
| IST-MG100 | 181 |
| IST-MG250 | 181 |
| IST-MG360 | 181 |

| CODE | PAGE |
|------------|---------|
| IST-MG600 | 181 |
| IST-W30A | 181 |
| IST-W135A | 181 |
| IST-W200A | 181 |
| IST-W340A | 181 |
| IST-W500A | 181 |
| IST-W850A | 181 |
| IST-W1200A | 181 |
| IST-W1500A | 181 |
| IST-W2000A | 181 |
| ISU | |
| ISU-100D | 141 |
| ISU-250C | 140 |
| ISV | |
| ISV-E30 | 136 |
| ISV-E40 | 136 |
| ISV-K1810 | 134 |
| ISV-K2410 | 134 |
| ISV-K2810 | 134 |
| ISV-K3915 | 134 |
| ISV-K6015 | 134 |
| ISV-P6 | 135 |
| ISV-S106 | 135 |
| ISV-T105 | 135 |
| ISY | |
| ISY-100 | 110~111 |
| ISY-200 | 112 |
| ISY-600 | 110 |
| ISY-700 | 118 |
| QMS | |
| QMS-A110 | 114 |
| TLP | |
| TLP-300H | 112 |



www.insize.in



- **Quality Warranty** – 12 months, against manufacturing defect. Repair or replacement will be at the discretion of the manufacturer.
- **Repairs** – you can either return the instruments to us at Ahmedabad or to the dealer along with the invoice on paid basis for faster process.
- For verification of genuineness, refer bar code sticker on the box.
- Manufacturer inspection certificates traceable are provided with instruments marked in asterisk.

Sales / Technical

☎ Mobile: 7819819939

☎ Telephone: 7819819941

✉ E-mail: ahmedabad@insize.com

Repairing

☎ Mobile: 7819819940

☎ Telephone: 9624899942

✉ E-mail: repair@insize.com



INSIZE INDIA LLP

Block B-09, Sumel-8, Nr. Ajit
Mill Char Rasta, Rakhial
Ahmedabad - 380023, India

Distributed by:

We reserve the right to change or modify the design and specification of products in this catalogue without prior notice.