

ROUGHNESS TESTER (SEPARABLE TYPE)

BLUETOOTH

TOUCH SCREEN

CAN BE OPERATED BY
COMPUTERS OR MOBILE PHONES

- Roughness tester can be operated by mobile phones or computers
- Data can be sent to Excel by connecting to computers via bluetooth or SPC cable
- Support bluetooth printer
- 36 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

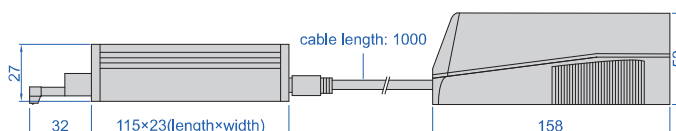
DATA
OUTPUT



VIDEO



ISR-C300



software flash disk
(included)

adjustable stand (included)

height is adjustable
(40mm)



bluetooth printer (optional)



probe and main unit can
be combined together



light duty test stand (optional)



the maximum workpiece height is 220mm

heavy duty test stand (optional)



the maximum workpiece height is 310mm

operate roughness tester by mobile phones



connect to mobile phones via bluetooth
display roughness values, profile and curve

operate roughness tester by computers



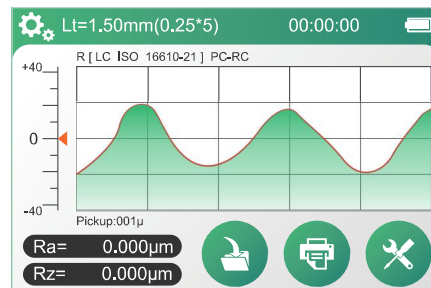
connect to computers via USB cable
(software is included), display
roughness values, profile and curve

roughness tester screen display

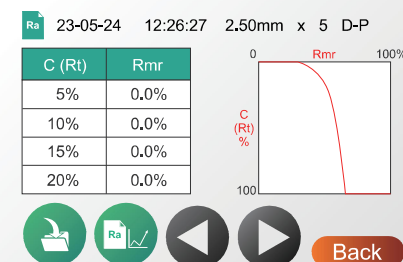
Ra	23-05-24	12:26:27	2.50mm x 5	D-P
Ra=	4.203μm	Rz=	59.308μm	
Rq=	5.989μm	Rt=	230.72μm	
Rp=	45.824μm	Rv=	13.484μm	
R3z=	5.83μm	R3y=	22.47μm	



measurement result

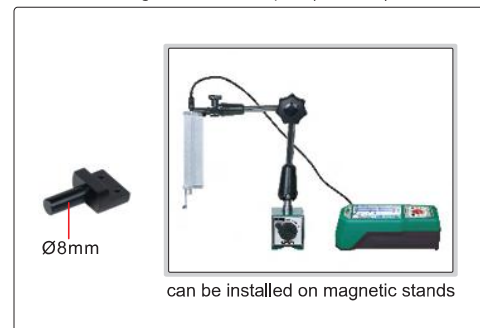
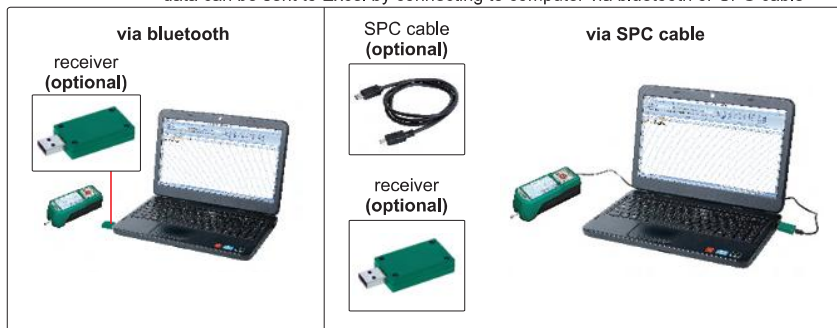


roughness profile



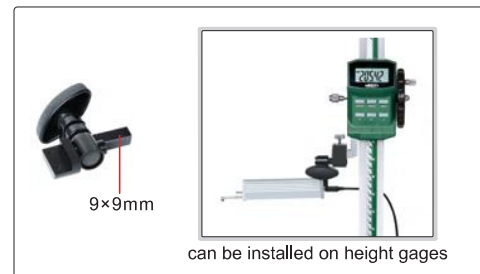
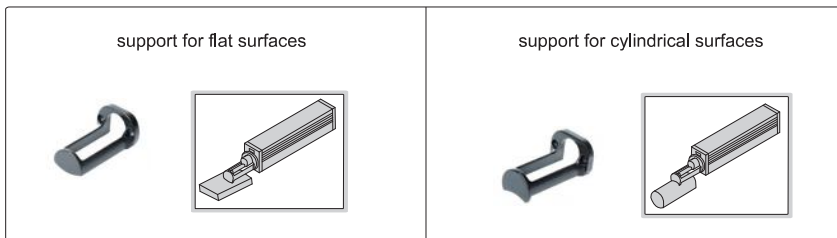
data can be sent to Excel by connecting to computer via bluetooth or SPC cable

magnetic stand adapter (included)



probe support (optional)

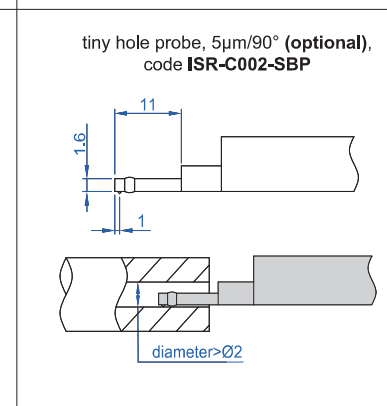
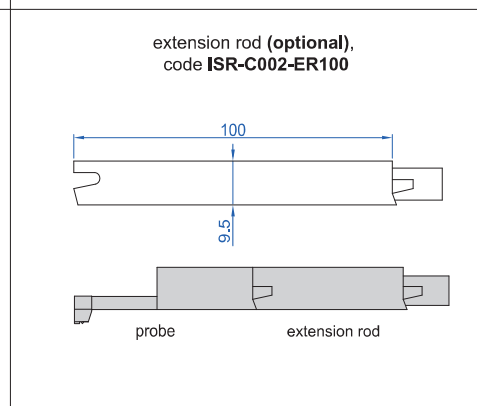
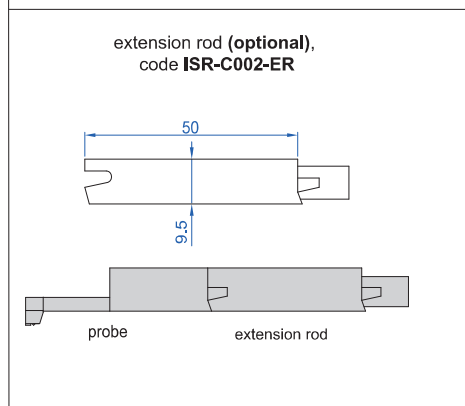
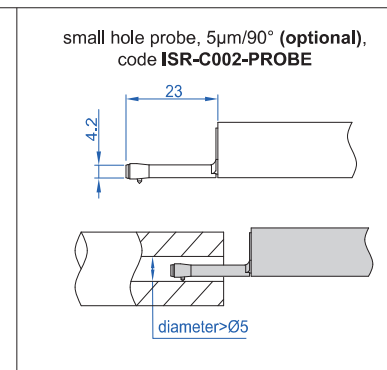
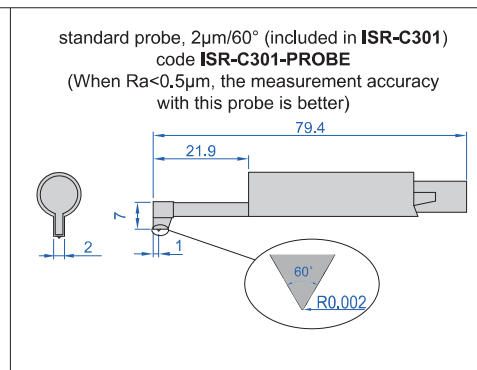
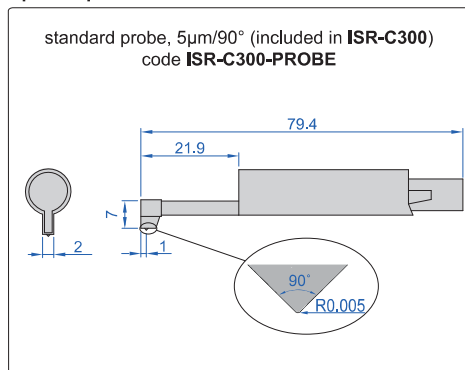
height gage adapter (optional)



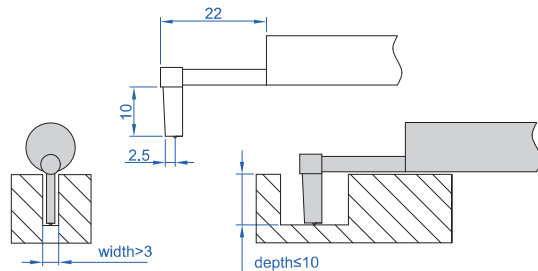
NOTE : Please check whether the adapter can fit your height gages.
When using **INSIZE** height gages, please use the dial test indicator holder of height gages

optional probes

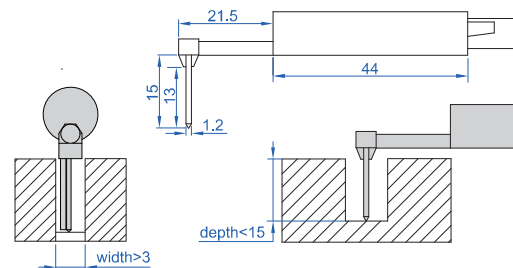
unit: mm



deep groove probe, 5 μ m/90° (optional),
code **ISR-C002-DGP**

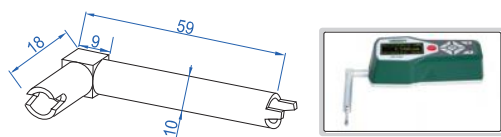


deep groove probe, 5 μ m/90° (optional),
code **ISR-C002-DGP1**



need to be delivered with roughness tester **ISR-C300/ISR-C301**,
recommended for use above Ra 0.1 μ m

transverse rod (optional),
code **ISR-C002-TR**



recommended for use with height calipers or stands

SPECIFICATION

Code	ISR-C300	ISR-C301
Measuring force	4mN	0.75mN
Stylus radius/angle	5 μ m/90°	2 μ m/60°
Parameters	Ra, Rz, Rq, Rv, Rp, Rs, R3z, R3y, Rt, Rc, Rz(JIS), Rk, Rku, Rsm, Rpc, Rpk, Rvk, Rsk, Mr1, Mr2, Ry, Rmax, R5p, R5v, R10z, Rpt, Rvt, Ry5, tp1, tp2, Rmrc1, Rmrc2, Rpkx, Rvkx, Ramax, Rzmax	
Probe type	inductive	
Stylus material	diamond	
Range	X axis	17.5mm
	Z axis	400 μ m (-200 μ m~200 μ m)
Accuracy	±10%	
Resolution (Ra)	0.001 μ m	
Measuring unit	μ m/ μ in	
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	USB and bluetooth	
Power	built-in rechargeable battery	
Dimension (L×W×H)	158×64×52mm	
Weight	400g	

STANDARD DELIVERY

Main unit	1 pc
Standard probe (included in ISR-C300)	1 pc
Standard probe (included in ISR-C301)	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

Standard probe	ISR-C300-PROBE
Standard probe	ISR-C301-PROBE
Small hole probe	ISR-C002-PROBE
Tiny hole probe	ISR-C002-SBP
Extension rod	ISR-C002-ER
Extension rod	ISR-C002-ER100
Transverse rod	ISR-C002-TR
Deep groove probe	ISR-C002-DGP
Deep groove probe	ISR-C002-DGP1
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