

# ROUGHNESS TESTER FOR AUTOMATION CODE ISR-C400

- Communicate with PLC for automatic operation
- Display 1, 3 or 4 groups of measurement parameters
- Threshold alarm function
- Selectable measurement standards ISO-4287, ISO-4288, ANSI B46.1, DIN-4768, JIS-B601, ISO-21290, ISO-13565, GB/T-13288
- Automatic range change during measurement
- Display roughness value, profile and curve
- Support bluetooth printer, freely select the measurement parameters and curves
- Memory of maximum 100 results
- Data can be sent to Excel by connecting to computers via bluetooth or SPC cable

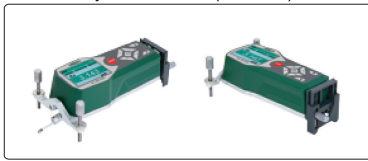
CAN BE OPERATED BY  
MOBILE PHONES OR COMPUTERS

DATA  
OUTPUT

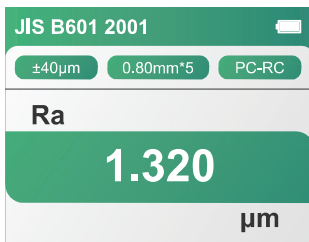
BLUETOOTH



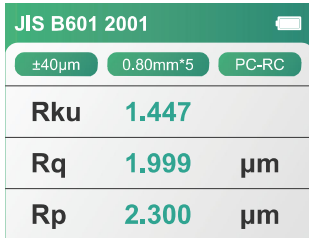
adjustable stand (included)



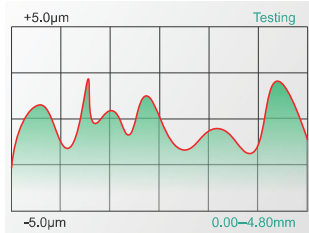
screen display



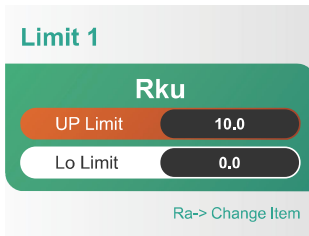
display 1 group of parameter



displays 3 groups of parameters



roughness profile



threshold alarm setting

bluetooth printer (optional)



probe cover (included)



light duty test stand (optional)



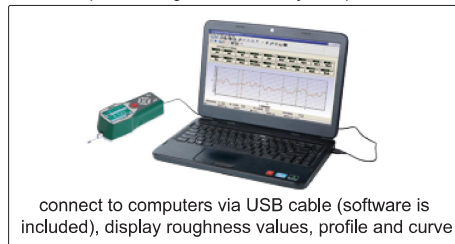
operate roughness tester by mobile phones



heavy duty test stand (optional)

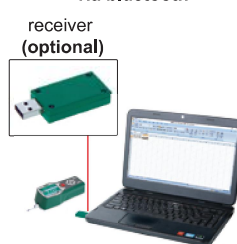


operate roughness tester by computers



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

via bluetooth



via SPC cable

SPC cable (optional)



receiver (optional)



## SPECIFICATION

<b>Parameters</b>		Ra, Rz, Rq, Ry, Rp, Rv, R3z, R3y, Rsk, Rku, Rc, Rpc, Rs, Rz(JIS), Rt, Rmax, Rz1max, Rk, Rpk, Rvk, Mr1, Mr2, Ry5, Rpkx, Rvkx, R5p, R5v, R10z, Rmr1, Rmr2, Rsm
<b>Range</b>		320µm (-160µm~160µm)
<b>Accuracy</b>		±10%
<b>Resolution (Ra)</b>		0.001µm
<b>Standard Probe (ISR-C002-PROBE)</b>	<b>type</b>	inductive
	<b>stylus radius/angle</b>	5µm/90°
	<b>stylus material</b>	diamond
<b>Measuring force</b>		4mN
<b>Measuring unit</b>		µm/µin
<b>Cut off</b>		0.25/0.8/2.5mm
<b>Number of cut-off</b>		1 to 5
<b>Moving speed</b>		0.5mm/s, 1mm/s
<b>Memory</b>		100 measurement results
<b>Output</b>		bluetooth, USB, RS232
<b>Power</b>		built-in rechargeable battery
<b>Dimension (L×W×H)</b>		141×55×40mm
<b>Net weight</b>		400g

## STANDARD DELIVERY

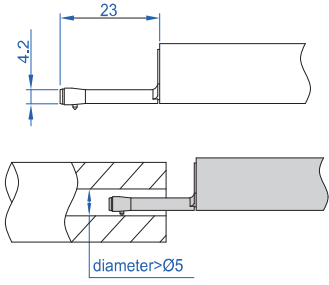
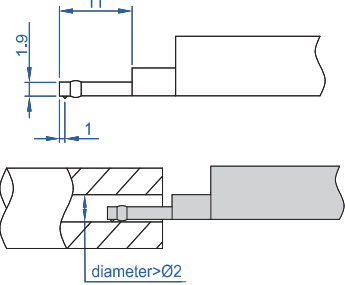
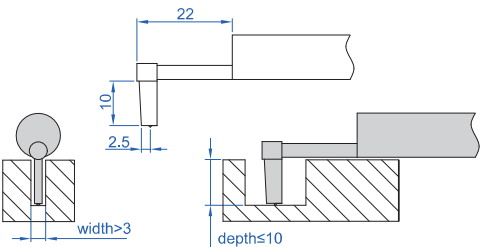
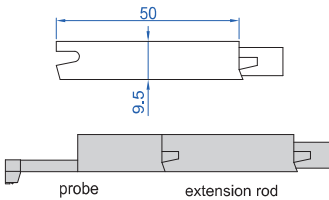
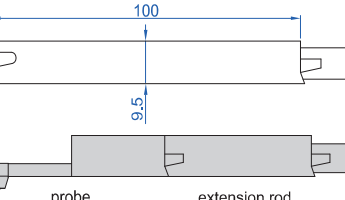
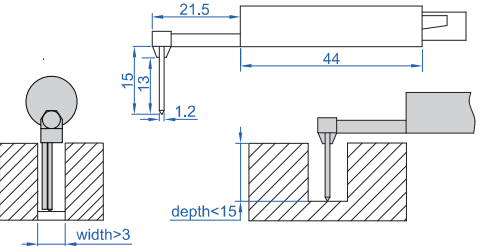
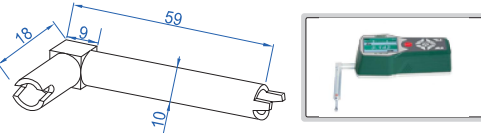
<b>Main unit</b>	1 pc
<b>Standard probe (ISR-C002-PROBE)</b>	1 pc
<b>Calibration block and support</b>	1 pc of each
<b>Adjustable stand</b>	1 pc
<b>Probe cover</b>	1 pc
<b>Software and USB cable</b>	1 pc
<b>AC/DC adapter</b>	1 pc

## OPTIONAL ACCESSORY

<b>Tiny hole probe</b>	<b>ISR-C002-SBP</b>
<b>Deep groove probe</b>	<b>ISR-C002-DGP</b>
<b>Deep groove probe</b>	<b>ISR-C002-DGP1</b>
<b>Extension rod</b>	<b>ISR-C002-ER</b>
<b>Extension rod</b>	<b>ISR-C002-ER100</b>
<b>Transverse rod</b>	<b>ISR-C002-TR</b>
<b>Light duty test stand</b>	<b>ISR-C002-STAND1</b>
<b>Heavy duty test stand</b>	<b>ISR-C002-STAND</b>
<b>Bluetooth printer</b>	<b>ISR-C002-PRINTER</b>
<b>Receiver</b>	<b>ISR-C300-RECEIVER</b>
<b>SPC cable</b>	<b>ISR-C300-SPC</b>

## PROBE PARAMETERS

unit: mm

<p>standard probe, 5µm/90° (included), code <b>ISR-C002-PROBE</b></p> 	<p>tiny hole probe, 5µm/90° (optional), code <b>ISR-C002-SBP</b></p> 	<p>deep groove probe, 5µm/90° (optional), code <b>ISR-C002-DGP</b></p> 
<p>extension rod (optional), code <b>ISR-C002-ER</b></p>  <p>probe      extension rod</p>	<p>extension rod (optional), code <b>ISR-C002-ER100</b></p>  <p>probe      extension rod</p>	<p>deep groove probe, 5µm/90° (optional), code <b>ISR-C002-DGP1</b></p>  <p>need to be delivered with roughness tester <b>ISR-C400</b>, recommended for use above Ra 0.1µm</p>
<p>transverse rod (optional), code <b>ISR-C002-TR</b></p>  <p>recommended for use with height calipers or stands</p>		