

# ROUGHNESS TESTER CODE ISR-C002

BLUETOOTH

DATA  
OUTPUT

CAN BE OPERATED BY  
MOBILE PHONES OR COMPUTERS



- 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

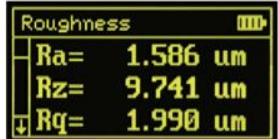


software flash disk (included)

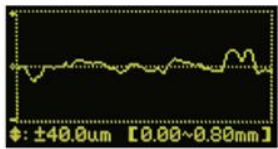
bluetooth printer (optional)



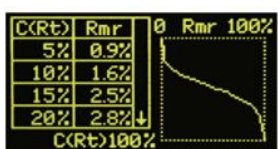
screen display



measurement result



roughness profile



Rmr analysis

probe cover (included)



put the small workpieces directly under the probe for measurement

adjustable stand (included)



operate roughness tester by mobile phones



connect to mobile phones via bluetooth (only Android system), display roughness values, profile and curve

light duty test stand (optional)



the maximum workpiece height is 220mm

operate roughness tester by computers



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

heavy duty test stand (optional)



the maximum workpiece height is 310mm

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

via bluetooth

receiver (optional)



SPC cable (optional)



via SPC cable

receiver (optional)



## SPECIFICATION

<b>Parameters</b>		Ra, Rz, Rq, Rv, Rp, RS, R3z, R3y, Rt, Rz(JIS), Rk, Rku, Rsm, Rpc, Rpk, Rvk, Rsk, Mr1, Mr2, Ry(JIS), Rmax
<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 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 and USB
<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>

unit: mm

## PROBE PARAMETERS

<p>standard probe, 5µm/90° (included), code <b>ISR-C002-PROBE</b></p> <p>diameter &gt; Ø5</p>	<p>tiny hole probe, 5µm/90° (optional), code <b>ISR-C002-SBP</b></p> <p>diameter &gt; Ø2</p>	<p>deep groove probe, 5µm/90° (optional), code <b>ISR-C002-DGP</b></p> <p>width &gt; 3 depth ≤ 10</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>width &gt; 3 depth &lt; 15</p> <p>need to be delivered with roughness tester <b>ISR-C002</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>		