

DATA OUTPUT

BLUETOOTH

TOUCH SCREEN

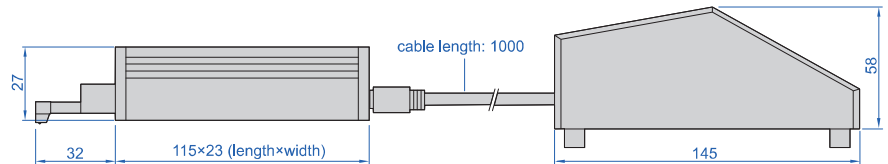
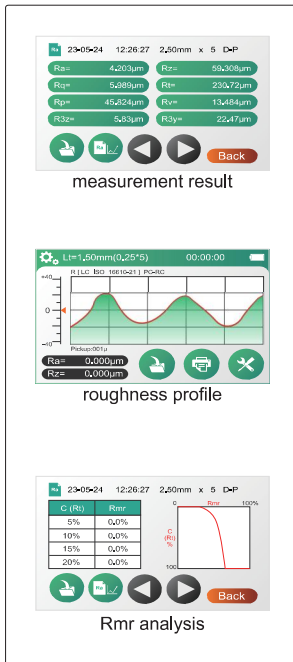
CAN BE OPERATED BY MOBILE PHONES OR COMPUTERS

# ROUGHNESS TESTER CODE ISR-T120



- 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
- Built-in printer can print measurement results and graphics
- 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
- Automatic power off

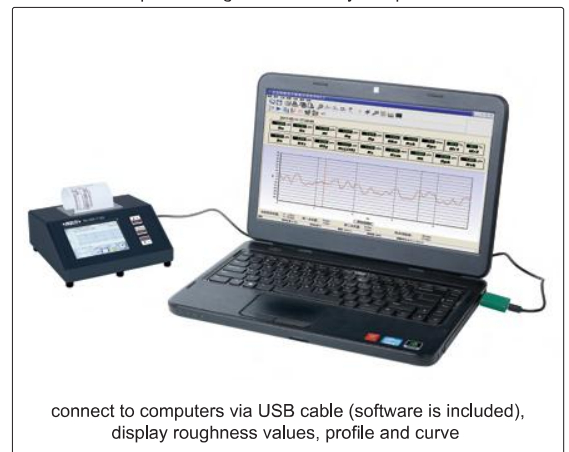
roughness tester screen display






operate roughness tester by mobile phones





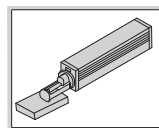
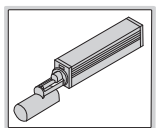
operate roughness tester by computers




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

<p>via bluetooth</p> <p>receiver (optional)</p> 	<p>via SPC cable</p> <p>SPC cable (optional)</p>  <p>receiver (optional)</p> 
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probe support (optional)

<p>support for flat surface</p> 	<p>support for cylindrical surface</p> 
	

height gauge adapter (optional)



9×9mm



can be installed on height gauges

magnetic stand adapter (included)



Ø8mm

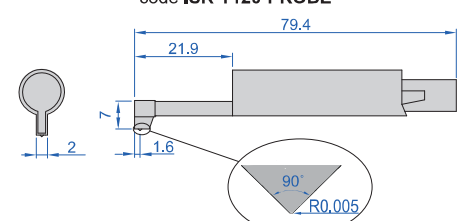
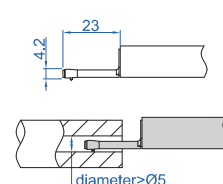
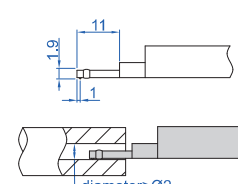
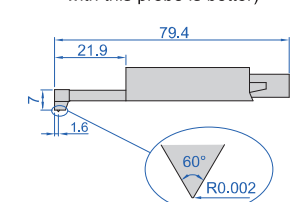
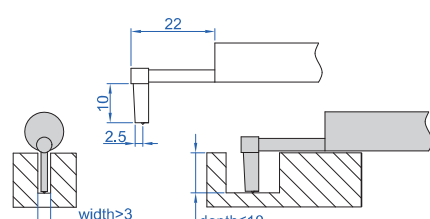
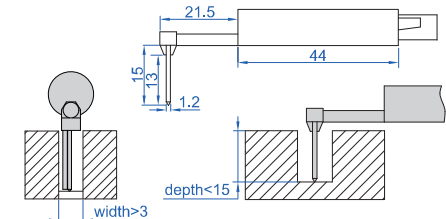
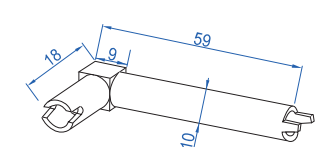
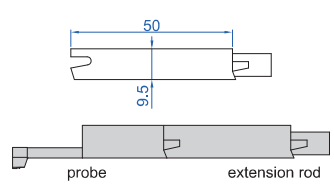
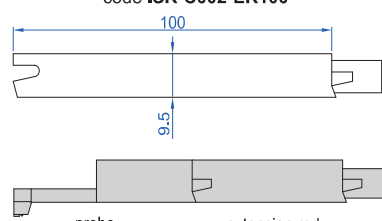


can be installed on magnetic stands

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

**PROBE PARAMETERS**

unit: mm

<p>standard probe, 5µm/90° (included) code <b>ISR-T120-PROBE</b></p> 	<p>small hole probe, 5µm/90° (optional), code <b>ISR-C002-PROBE</b></p> 	<p>tiny hole probe, 5µm/90° (optional), code <b>ISR-C002-SBP</b></p> 
<p>2µm/60° probe (optional), code <b>ISR-C301-PROBE</b> (when Ra&lt;0.5µm, the accuracy with this probe is better)</p> 	<p>deep groove probe, 5µm/90° (optional), code <b>ISR-C002-DGP</b></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-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>	<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>

light duty test stand (optional)



heavy duty test stand (optional)



## 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, R5p, R5v, R10z, Rpt, Rvt, Ry5, tp1, tp2, Rmrc1, Rmrc2, Rpkx, Rvkx, Ramax, Rzmax
Range	X axis	17.5mm
	Z axis*	800 $\mu$ m (-400 $\mu$ m~400 $\mu$ m)
Accuracy		$\pm$ 10%
Resolution (Ra)		0.001 $\mu$ m
Probe	type	inductive
	stylus radius/angle	5 $\mu$ m/90°
	stylus material	diamond
Measuring force		4mN
Measuring unit		$\mu$ m/ $\mu$ in
Cut off		0.25/0.8/2.5mm
Number of cut-offs		1~5
Traverse speed		0.135mm/s, 0.5mm/s, 1mm/s
Memory		100 measurement results
Output		bluetooth and USB
Power supply		built-in rechargeable battery
Dimension (L×W×H)		155×145×58mm
Net weight		1000g

\*Use the standard probe: code **ISR-T120-PROBE**

## STANDARD DELIVERY

Main unit	1 pc
Standard probe (ISR-T120-PROBE)	1 pc
Calibration block and support	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
Extension rod	ISR-C002-ER100
Transverse rod	ISR-C002-TR
Small hole probe	ISR-C002-PROBE
Tiny hole probe	ISR-C002-SBP
2 $\mu$ m/60° probe	ISR-C301-PROBE
Deep groove probe	ISR-C002-DGP
Deep groove probe	ISR-C002-DGP1
Height gauge 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