DATA OUTPUT

BLUETOOTH

TOUCH SCREEN

CAN BE OPERATED BY MOBILE PHONES OR COMPUTERS
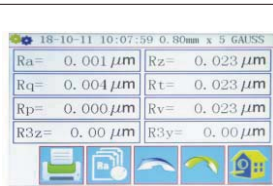
ROUGHNESS TESTER
CODE ISR-T120

built-in printer

touch screen

adjustable stand

height is adjustable (40mm)

VIDEO

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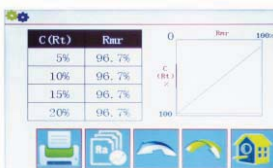- Automatic power off

Unit: mm

79.4

21.9

7

2

1
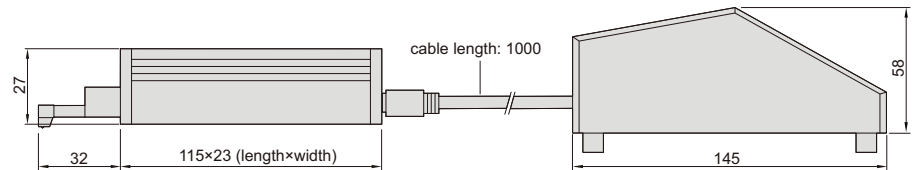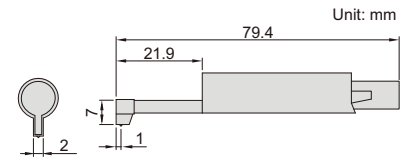
roughness tester screen display

measurement result
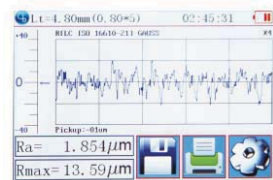
roughness profile

Rmr analysis

27

cable length: 1000

58

32

115×23 (length×width)

145

operate roughness tester by mobile phones

operate roughness tester by computers

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

connect to computers via USB cable (software is included), display roughness values, profile and curve
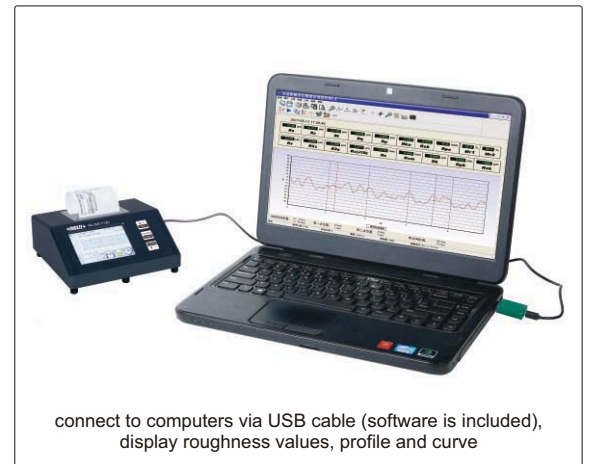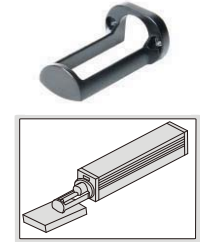
support for cylindrical surface
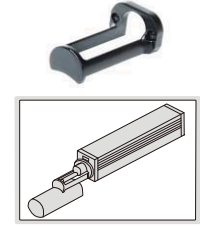
support for flat surface

data can be sent to Excel by connecting to computer via bluetooth or SPC cable
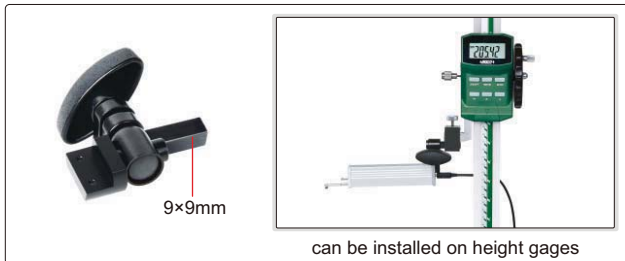
via bluetooth	**via SPC cable**
receiver (**optional**)	SPC cable (**optional**)
	receiver (**optional**)

height gage adapter (**optional**)

9×9mm

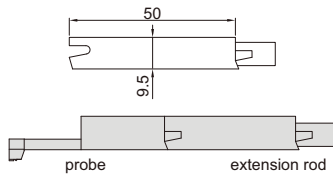can be installed on height gages

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
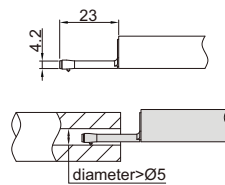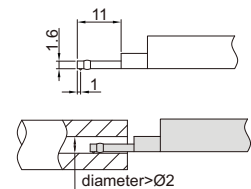
magnetic stand adapter (included)

Ø8mm

can be installed on magnetic stands

optional probes

Unit: mm

extension rod (optional), code ISR-C002-ER

50

9.5

probe   extension rod

small hole probe (optional), code ISR-C002-PROBE

23

4.2

diameter>Ø5

tiny hole probe (optional), code ISR-C002-SBP

11

1.6

1

diameter>Ø2

2µm/60° probe (optional), code ISR-C300-P2UM (When Ra<0.5µm, the accuracy with this probe is better)
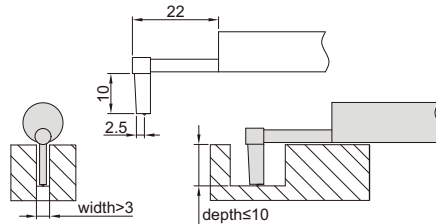
79.4

21.9

7

1

60°

R0.002

deep groove probe (optional), code ISR-C002-DGP

22

10

2.5

width>3

depth≤10

deep groove probe (optional), code ISR-C002-DGP1

21.5

44

15

13

1.2

depth<15

width>3

light duty test stand (**optional**)

the maximum workpiece height is 220mm

heavy duty test stand (**optional**)

the maximum workpiece height is 310mm
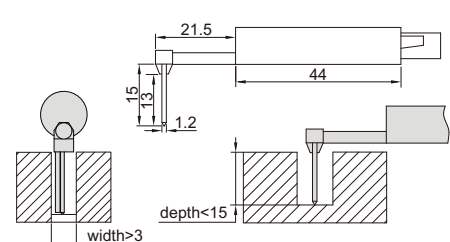
SPECIFICATION

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	640µm (-320µm~320µm)
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
Traverse 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

STANDARD DELIVERY

Main unit	1 pc
Standard 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
Small hole probe	ISR-C002-PROBE
Tiny hole probe	ISR-C002-SBP
2µm/60° probe	ISR-C300-P2UM
Deep groove probe	ISR-C002-DGP
Deep groove probe	ISR-C002-DGP1*
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-T120**