ROUGHNESS TESTER (SEPARABLE TYPE)

BLUETOOTH **TOUCH SCREEN** **CAN BE OPERATED BY COMPUTERS OR MOBILE PHONES**

DATA OUTPUT

VIDEO

- 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
- 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
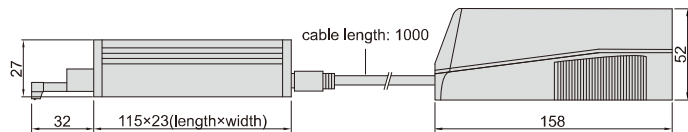- Touch screen
- Automatic power off

ISR-C300

software flash disk (included)

adjustable stand (included)

height is adjustable (40mm)

bluetooth printer (**optional**)

cable length: 1000
27
52
32   115×23(length×width)   158

probe and main unit can be combined together
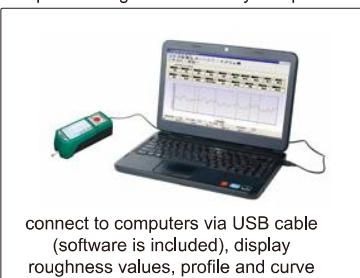

light duty test stand (**optional**)

the maximum workpiece height is 220mm

operate roughness tester by mobile phones

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

heavy duty test stand (**optional**)
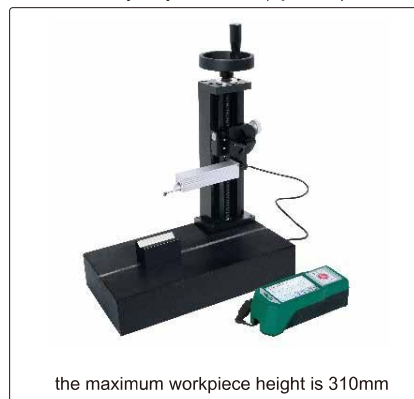
the maximum workpiece height is 310mm

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

Back

measurement result

Lt=1.50mm(0.25*5)   00:00:00
R [LC ISO 16610-21] PC-RC
+40
0
-40
Pickup:001µ

Ra=   0.000µm
Rz=   0.000µm

roughness profile

Ra 23-05-24   12:26:27   2.50mm   x   5   D-P

C (Rt)	Rmr
5%	0.0%
10%	0.0%
15%	0.0%
20%	0.0%

0   Rmr   100%
C (Rt) %
100

Back

Rmr analysis

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

via bluetooth

receiver (**optional**)

SPC cable (**optional**)

receiver (**optional**)

via SPC cable
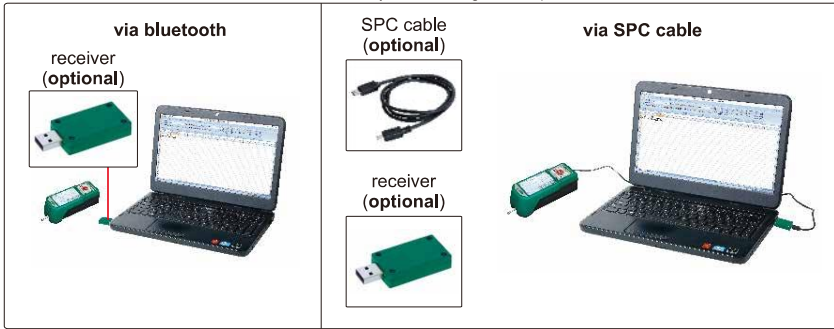
magnetic stand adapter (included)

Ø8mm

can be installed on magnetic stands

probe support (**optional**)

support for flat surfaces

support for cylindrical surfaces
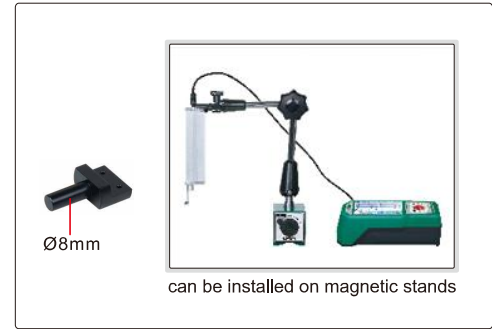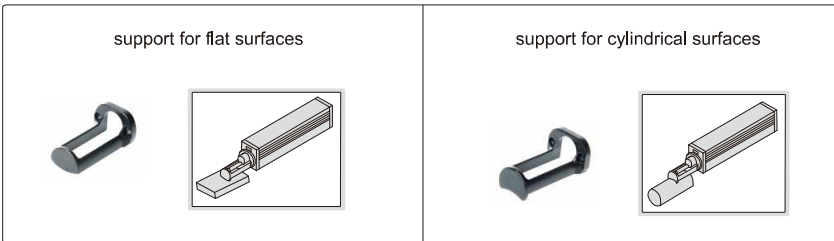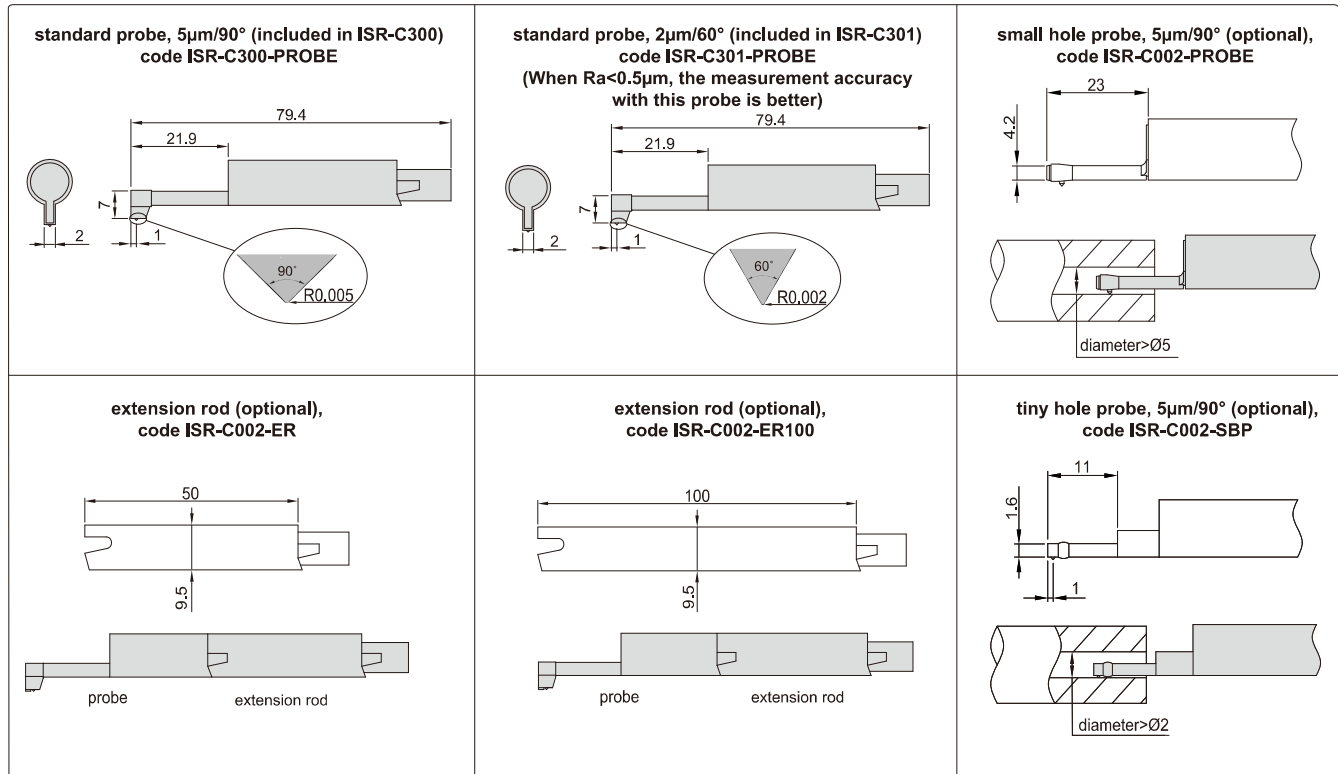
height gage adapter (**optional**)

9×9mm

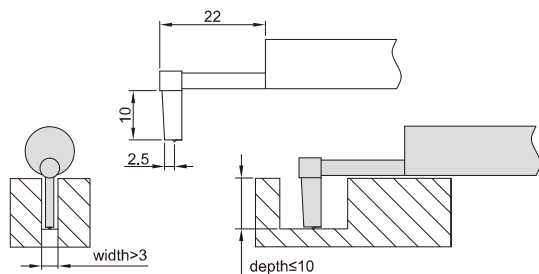can be installed on height gages

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

optional probes

Unit: mm

standard probe, 5µm/90° (included in ISR-C300) code ISR-C300-PROBE

79.4
21.9
7
2
1
90°
R0.005

standard probe, 2µm/60° (included in ISR-C301) code ISR-C301-PROBE
(When Ra<0.5µm, the measurement accuracy with this probe is better)

79.4
21.9
7
2
1
60°
R0.002

small hole probe, 5µm/90° (optional), code ISR-C002-PROBE

23
4.2
diameter>Ø5

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

50
9.5
probe
extension rod

extension rod (optional), code ISR-C002-ER100

100
9.5
probe
extension rod

tiny hole probe, 5µm/90° (optional), code ISR-C002-SBP

11
1.6
1
diameter>Ø2

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

22
10
2.5
width>3
depth≤10

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

21.5
44
15
13
1.2
width>3
depth<15

Need to be delivered with roughness tester **ISR-C300/ISR-C301**, recommended for use above Ra 0.1µm

SPECIFICATION

Code	ISR-C300	ISR-C301
Measuring force	4mN	0.75mN
Stylus radius/angle	5µm/90°	2µm/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	
Range — Z axis	400µm (-200µm~200µm)	
Accuracy	±10%	
Resolution (Ra)	0.001µm	
Measuring unit	µm/µin	
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
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