ROUGHNESS TESTERS (SEPARABLE TYPE)

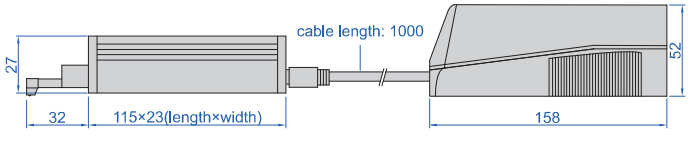
BLUETOOTH | TOUCH SCREEN | DATA OUTPUT | CAN BE OPERATED BY COMPUTERS OR MOBILE PHONES

INSPECTION CERTIFICATE

VIDEO

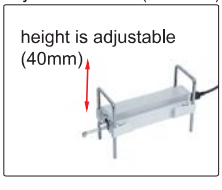
- Roughness tester can be operated by mobile phones or computers
- Optional wireless or Bluetooth receivers can be used to output keyboard signals, connecting to a computer to send data to Excel
- Support bluetooth printer
- 36 roughness parameters
- Meet ISO, DIN, ANSI, JIS standards
- Display roughness values, profile and curve
- Memory of maximum 100 data and waveform
- Built-in lithium battery, working time more than 50 hours
- Touchu screen
- Automatic power off

ISR-C300



software flash disk (included)

adjustable stand (included)



bluetooth printer **(optional)**

probe and main unit can be combined together

light duty test stand **(optional)**

maximum workpiece height is 220mm

operate roughness tester by mobile phones

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

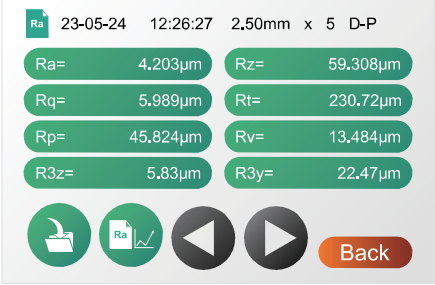
operate roughness tester by computers

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

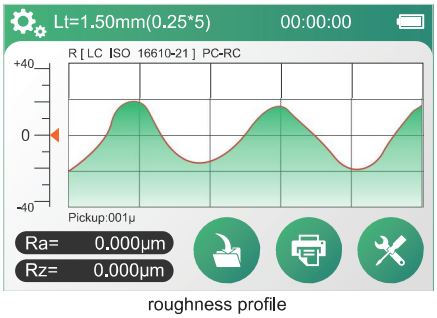
heavy duty test stand **(optional)**

maximum workpiece height is 310mm

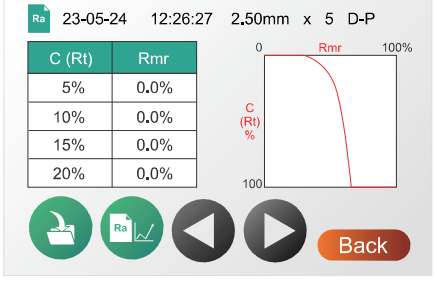
roughness tester screen display



measurement result



roughness profile



Rmr analysis

ISR-C300/ISR-C301 can connect to a computer via Bluetooth or a SPC cable using an optional Bluetooth receiver (**ISR-C300-RECEI**) to send data to Excel

via bluetooth

luetooth receiver **(optional)**

via SPC cable

SPC cable **(optional)**

bluetooth receiver **(optional)**

magnetic stand adapter (included)

Ø8mm

can be installed on magnetic stands

ISR-C300WL can send data to Excel, TXT and other documents by connecting to mobile phone or computer via optional **7315** series receiver

via mobile phone

receiver **(optional)**

via computer

receiver **(optional)**

height gage adapter **(optional)**

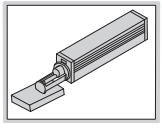
9×9mm

can be installed on height gages

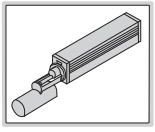
NOTE : Please check whether the adapter can fit your height gages**.** When using **INSIZE** height gages, please use the dial test indicator holder of height gages

probe support

support for flat surfaces (included)



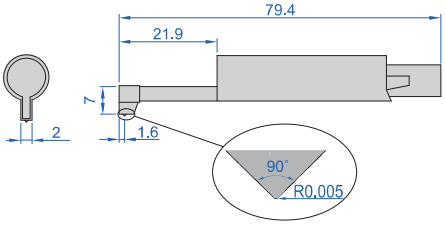
support for cylindrical surfaces **(optional)**



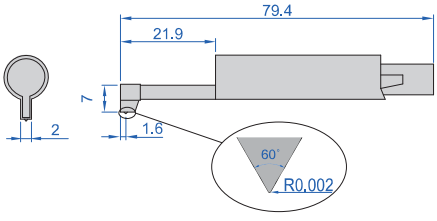
optional probes

unit: mm

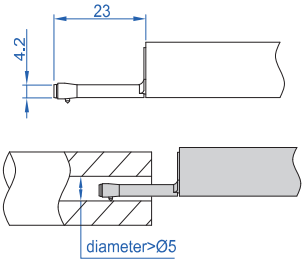
standard probe, 5μm/90° (included in **ISR-C300**)
code **ISR-C300-PROBE**



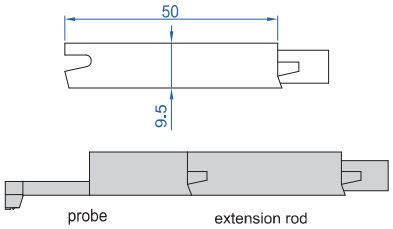
standard probe, 2μm/60° (included in **ISR-C301**)
code **ISR-C301-PROBE**
(When Ra<0.5μm, the measurement accuracy with this probe is better)



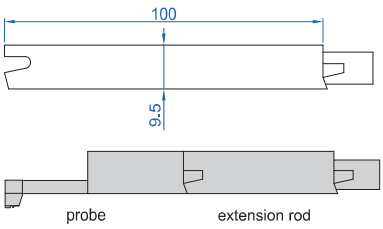
small hole probe, 5μm/90° **(optional)**,
code **ISR-C002-PROBE**



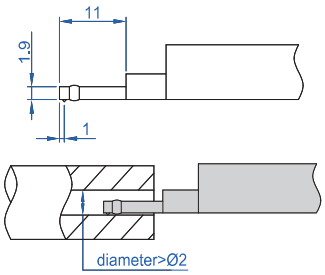
extension rod **(optional)**,
code **ISR-C002-ER**



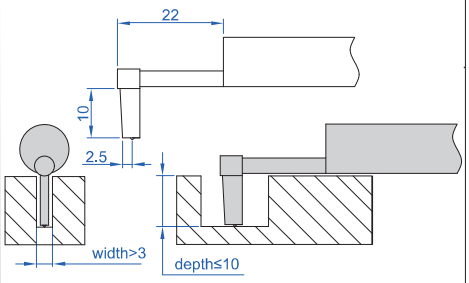
extension rod **(optional)**,
code **ISR-C002-ER100**



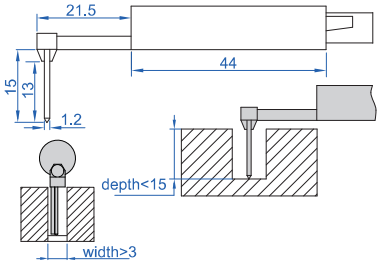
tiny hole probe, 5μm/90° **(optional)**,
code **ISR-C002-SBP**



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

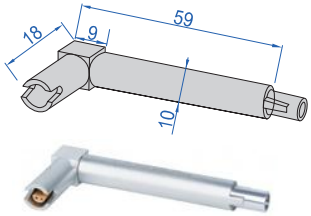


deep groove probe, 5μm/90° **(optional)**,
code **ISR-C002-DGP1**



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

transverse rod **(optional)**,
code **ISR-C002-TR**



recommended for use with height gages or stands

SPECIFICATION

Code		ISR-C300	ISR-C301	ISR-C300WL
Measuring force		4mN	0.75mN	4mN
Stylus radius/angle		5μm/90°	2μm/60°	5μm/90°
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		
	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*		USB and Wireless*
Power		built-in rechargeable battery		
Dimension (L×W×H)		158×64×52mm		
Weight		400g		

* Wireless Optional Receiver needed: code **7315-2/3/6/7/8/9**
* Bluetooth Optional Receiver needed: code **ISR-C300-RECEIVER**

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	1 pc
Magnetic stand adapter	1 pc
Adjustable stand	1 pc
Support for flat surface	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
Transverse rod	ISR-C002-TR
Deep groove probe	ISR-C002-DGP
Deep groove probe	ISR-C002-DGP1
Bluetooth printer*	ISR-C002-PRINTER
Height gage adapter	ISR-C300-LB1
Bluetooth receiver	ISR-C300-RECEIVER
Receiver	7315-2/3/6/7/8/9
SPC cable	ISR-C300-SPC
Support for cylindrical surface	ISR-C300-COVER2
Light duty test stand	ISR-C002-STAND1
Heavy duty test stand	ISR-C002-STAND

* The ISR-C300WL supports only wired connections to Bluetooth printer