

ROUGHNESS TESTER FOR AUTOMATION CODE ISR-C400

- Communicate with PLC for automatic operation
- Display 1, 3 or 4 groups of measurement parameters
- Threshold alarm function
- Selectable measurement standards ISO-4287, ISO-4288, ANSI B46.1, DIN-4768, JIS-B601, ISO-21290, ISO-13565, GB/T-13288
- Automatic range change during measurement
- Display roughness value, profile and curve
- Support bluetooth printer, freely select the measurement parameters and curves
- Memory of maximum 100 results
- Data can be sent to Excel by connecting to computers via bluetooth or SPC cable

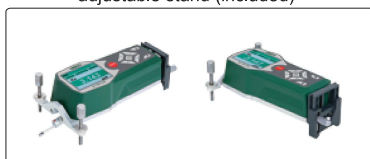
CAN BE OPERATED BY
MOBILE PHONES OR COMPUTERS

DATA
OUTPUT

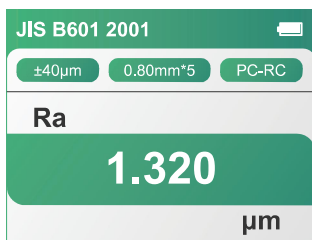
BLUETOOTH



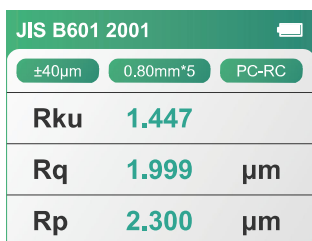
adjustable stand (included)



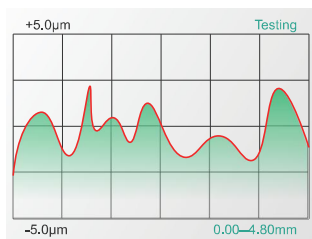
screen display



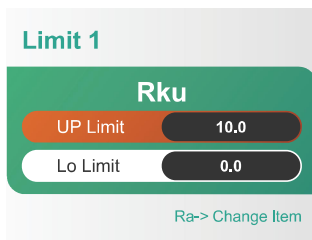
display 1 group of parameter



displays 3 groups of parameters



roughness profile



threshold alarm setting

probe cover (included)



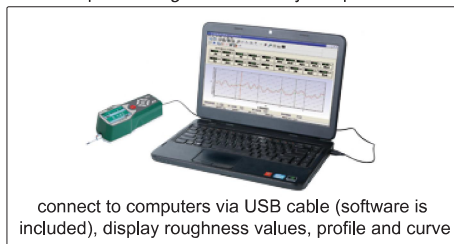
put the small workpieces
directly under the
probe for measurement

operate roughness tester by mobile phones



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

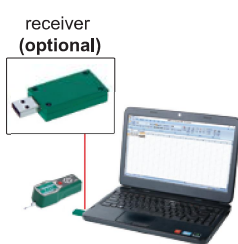
operate roughness tester by computers



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

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

via bluetooth



via SPC cable

SPC cable (optional)



receiver (optional)



bluetooth printer (optional)



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, Ry, Rp, Rv, R3z, R3y, Rsk, Rku, Rc, Rpc, Rs, Rz(JIS), Rt, Rmax, Rz1max, Rk, Rpk, Rvk, Mr1, Mr2, Ry5, Rpkx, Rvkx, R5p, R5v, R10z, Rmr1, Rmr2, Rsm
Range		320μm (~160μm~160μm)
Accuracy		±10%
Resolution (Ra)		0.001μm
Standard Probe (ISR-C002-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-off		1 to 5
Moving speed		0.5mm/s, 1mm/s
Memory		100 measurement results
Output		bluetooth, USB, RS232
Power		built-in rechargeable battery
Dimension (L×W×H)		141×55×40mm
Weight		400g

STANDARD DELIVERY

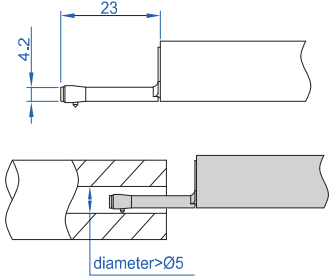
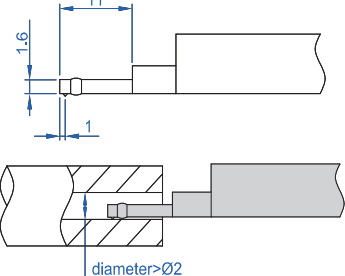
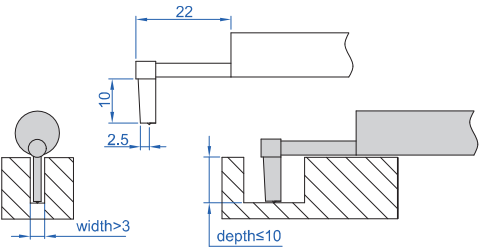
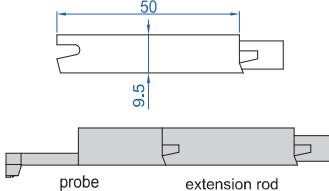
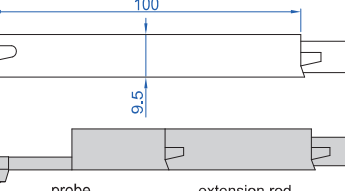
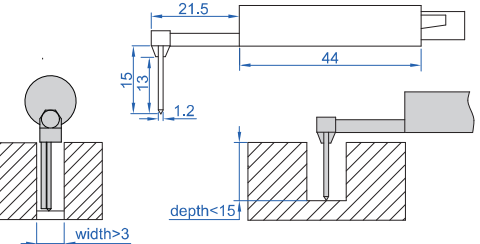
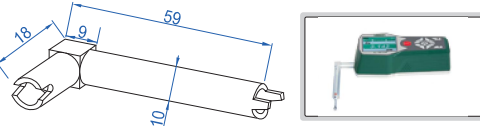
Main unit	1 pc
Standard probe	1 pc
Calibration block and support	1 pc of each
Adjustable stand	1 pc
Probe cover	1 pc
Software and USB cable	1 pc
AC/DC adapter	1 pc

OPTIONAL ACCESSORY

Tiny hole probe	ISR-C002-SBP
Deep groove probe	ISR-C002-DGP
Deep groove probe	ISR-C002-DGP1
Extension rod	ISR-C002-ER
Extension rod	ISR-C002-ER100
Transverse rod	ISR-C002-TR
Light duty test stand	ISR-C002-STAND1
Heavy duty test stand	ISR-C002-STAND
Bluetooth printer	ISR-C002-PRINTER
Receiver	ISR-C300-RECEIVER
SPC cable	ISR-C300-SPC

optional probes

unit: mm

standard probe, 5μm/90° (included), code ISR-C002-PROBE 	tiny hole probe, 5μm/90° (optional), code ISR-C002-SBP 	deep groove probe, 5μm/90° (optional), code ISR-C002-DGP 
extension rod (optional), code ISR-C002-ER  probe extension rod	extension rod (optional), code ISR-C002-ER100  probe extension rod	deep groove probe, 5μm/90° (optional), code ISR-C002-DGP1  need to be delivered with roughness tester ISR-C400, recommended for use above Ra 0.1μm
		transverse rod (optional), code ISR-C002-TR  recommended for use with height calipers or stands