ROUGHNESS TESTER

DATA OUTPUT

CUSTOM-MADE PROBES ARE AVAILABLE

ISR-S300
(probe can't be changed)

ISR-S400
(probe can be changed)

- Automatic probe leveling
- Language: English, French, German, Italian, Spanish, Portuguese
- 12 roughness parameters
- Can set tolerance
- Measuring range up to 400μm, can measure grit and shot blasting
- Traverse length up to 16mm
- The probe can be set at 90°or 270°, for transverse measurement
- Memory of maximum 100 results

transverse measurement

adjustable stand (included)

measuring software (optional), can control the roughness tester, display roughness values, profile and curve, data statistics

probe cover (included), can put the small workpieces directly on the probe for measurement

printer (optional), print measuring results and roughness graphic

test stand (optional)

To be continued

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SPECIFICATION

Code		ISR-S300	ISR-S400
Remark		probe can't be changed	probe can be changed
Parameters		Ra, Rq, Rt, Rz, Rc, Rmax, Rsm, Rpc, Rmr, R, AR, Rx	
Range		Ra: 0~100μm, Rt: 0.05~400μm	
Accuracy		±3%	
Resolution (Ra)		0.001μm	
Probe	type	inductive	
	stylus radius/angle	5μm/90°	
	stylus material	diamond	
Measuring force		0.75mN	
Measuring unit		μm/μin	
Cut off		0.25/0.8/2.5mm	
Number of cut-offs		1 to 5	
Traverse speed		1mm/s	
Memory		100 measurement results	
Output		USB	
Power		built-in rechargeable battery	
Dimension(L×W×H)		122×52×68mm	
Weight		650g	

STANDARD DELIVERY

Main unit	1pc
Standard probe	1pc
Calibration block	1pc
Adjustable stand	1pc
AC/DC adapter	1pc
Probe cover	1pc

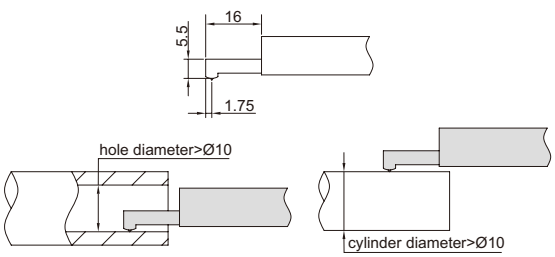
OPTIONAL ACCESSORY

Extension rod (only for ISR-S400)	ISR-S400-ER100
Probe (only for ISR-S400)	see details
Printer	ISR-S400-PRINTER
USB cable and software	ISR-S-SOFTWARE
Test stand	ISR-S400-DK

SPECIFICATION OF PROBES

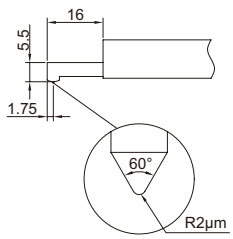
Unit: mm

standard probe (included)



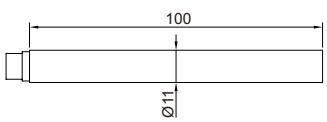
measure plane surfaces, holes and cylinders with diameter>Ø10mm

small roughness probe (for ISR-S400, optional)
code ISR-S400-SB10R2



measure surfaces with small roughness

extension rod (for ISR-S400, optional)
code ISR-S400-ER100



for long holes

To be continued

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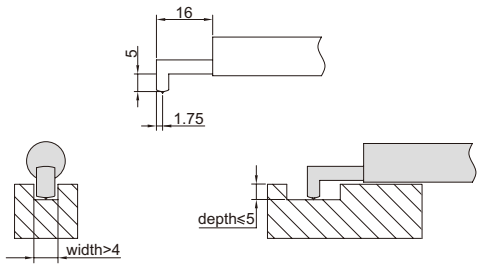
SPECIFICATION OF PROBES

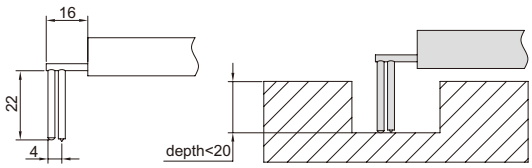
Unit: mm

groove probe (for ISR-S400, optional)
code ISR-S400-SB20



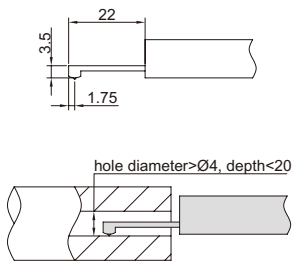
measure plane surfaces and grooves

deep groove probe (for ISR-S400, optional)
code ISR-S400-SB120



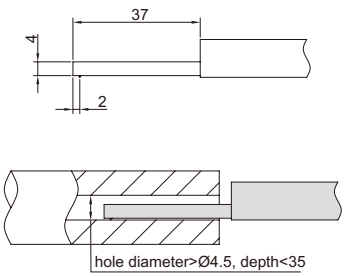
measure grooves with depth<20mm

small hole probe (for ISR-S400, optional)
code ISR-S400-SB30



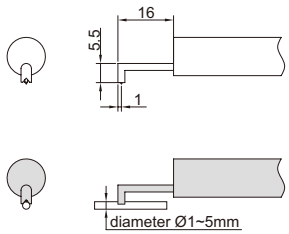
measure plane surfaces and holes with diameter>Ø4mm and depth<20mm

deep hole probe (for ISR-S400, optional)
code ISR-S400-SB80



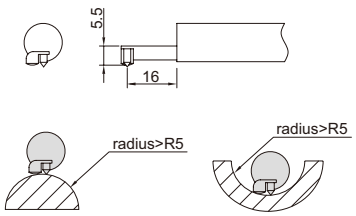
measure holes with diameter>Ø4.5mm and depth<35mm

small rod probe (for ISR-S400, optional)
code ISR-S400-SB40



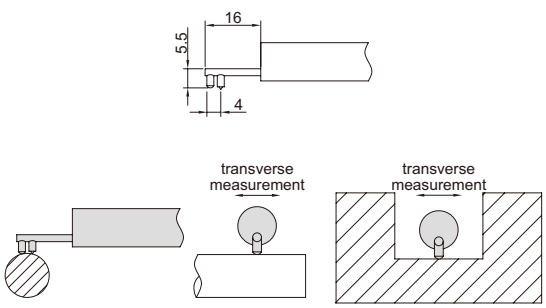
measure small rods with diameter Ø1~5mm

cylinder/hole probe (for ISR-S400, optional)
code ISR-S400-SB110



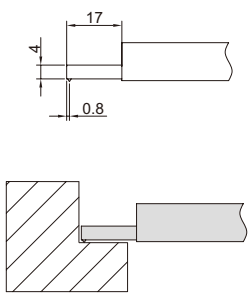
measure cylinders and holes with radius>R5mm

transverse probe (for ISR-S400, optional)
code ISR-S400-SB50



transverse measurement for plane surfaces, cylinders and grooves

internal angle probe(for ISR-S400, optional)
code ISR-S400-SB140



measure internal angles