ROUGHNESS TESTER

ISR-S300
(probe can't be changed)

ISR-S400
(probe can be changed)

transverse measurement

- 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

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

adjustable stand (included)

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

SPECIFICATION

Code	ISR-S300 (probe can't be changed)	ISR-S400 (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	
Probe — stylus radius/angle	5µm/90°	
Probe — 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 rechargeble battery	
Dimension(L×W×H)	122×52×68mm	
Weight	650g	

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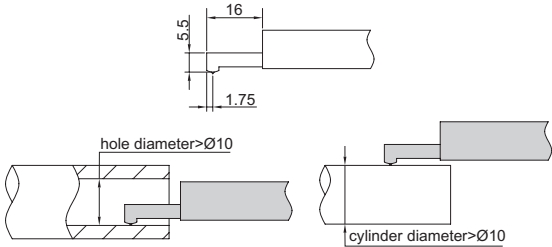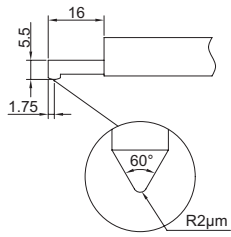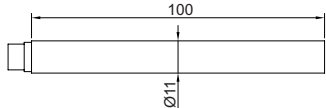
Main unit	1pc
Standard probe	1pc
Calibration block	1pc
Adjustable stand	1pc
AC/DC adapter	1pc
Probe cover	1pc

OPTIONAL ACCESSORY

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

SPECIFICATION

Unit: mm

standard probe (included)

16
5.5
1.75

hole diameter>Ø10

cylinder diameter>Ø10
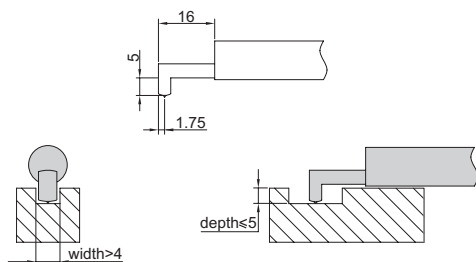
measure plane surfaces, holes and cylinders with diameter>Ø10mm

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

16
5.5
1.75
60°
R2µm

measure surfaces with small roughness

extension rod (for ISR-S400, optional) code ISR-S400-ER100
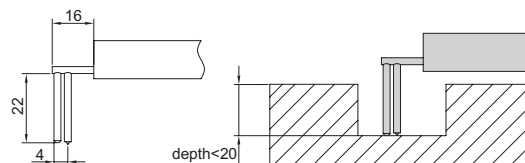
100
Ø11

for long hole

SPECIFICATION

Unit: mm

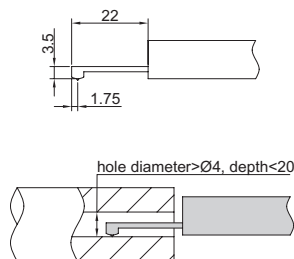### groove probe (for ISR-S400, optional)
code ISR-S400-SB20

16
5
1.75

depth≤5

width>4

measure plane surfaces and grooves

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

16
22
4

depth<20

measure grooves with depth<20mm

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

22
3.5
1.75

hole diameter>Ø4, depth<20
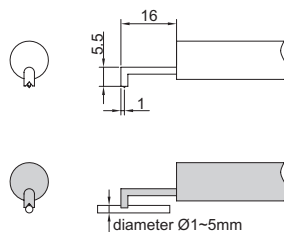
measure plane surfaces and holes with diameter>Ø4mm and depth<20mm

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

37
4
2

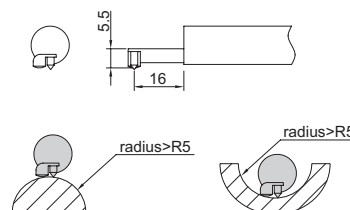hole diameter>Ø4.5, depth<35
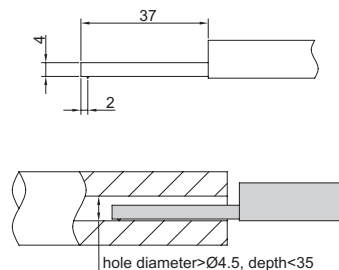
measure holes with diameter>Ø4.5mm and depth<35mm

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

16
5.5
1

diameter Ø1~5mm

measure small rods with diameter Ø1~5mm

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

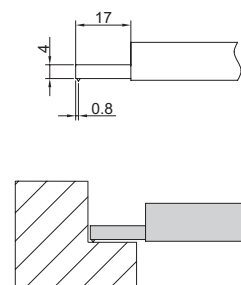5.5
16

radius>R5

radius>R5

measure cylinders and holes with radius>R5mm

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

16
5.5
4

transverse measurement

transverse measurement
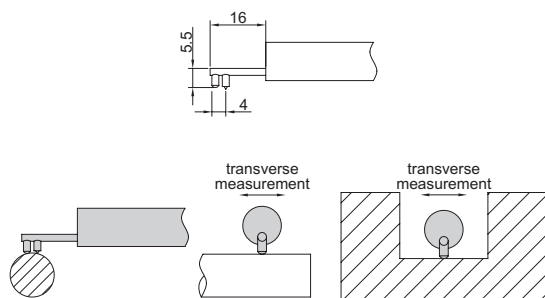
transverse measurement for plane surfaces, cylinders and grooves

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

17
4
0.8

measure internal angles