

ROUGHNESS TESTER CODE ISR-S500

DATA
OUTPUT

CUSTOM-MADE
PROBES ARE AVAILABLE



- Automatic probe leveling
- Language: English, French, German, Italian, Spanish, Portuguese
- 30 roughness parameters
- Can set tolerance
- Measuring range up to 600µm, can measure grit and shot blasting
- Traverse length up to 16mm
- The probe can be set at 90° or 270°, for transverse measurement
- Color screen, display roughness values, profile and curves
- Memory of maximum 1000 results



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



transverse measurement



adjustable stand (included)

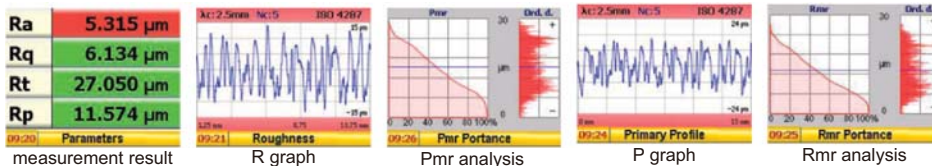


probe cover (included), can put the small workpieces directly on the probe for measurement



printer (optional), print measuring results and roughness graph

ROUGHNESS VALUE, PROFILE AND DATA ANALYSIS



measurement result

R graph

Pmr analysis

P graph

Rmr analysis



test stand (optional)

SPECIFICATION

Parameters	Ra, Rq, Rt, Rp, Rv, Rz, Rc, RSm, Rδc, Rpc Pa, Pq, Pt, Pp, Pv, Pc, Psm, Pδc, Rk, Rpk Rvk, Mr1, Mr2, Rmax, R3z, R3zm, R, AR, Rx	
Range	600µm	
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 of	0.25/0.8/2.5mm	
Number of cut-offs	1-10 (cut off 0.25/0.8mm)	
	1-5 (cut off 2.5mm)	
Traverse speed	1mm/s	
Memory	1000 measurement results	
Output	USB	
Power	built-in rechargeable battery	
Dimension (L×W×H)	122×53×75mm	
Weight	590g	

STANDARD DELIVERY

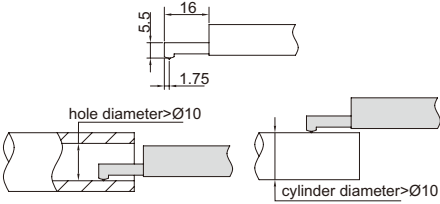
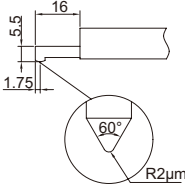
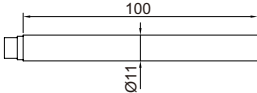
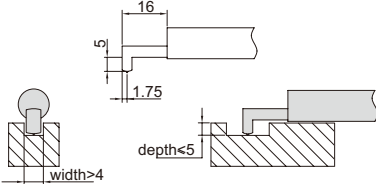
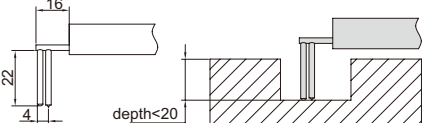
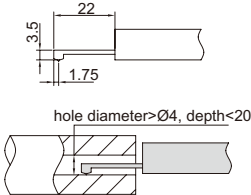
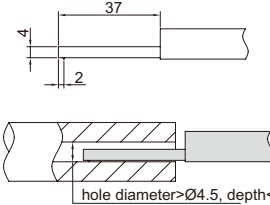
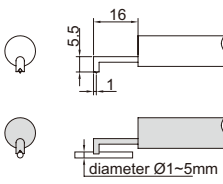
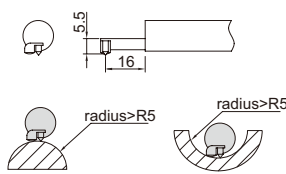
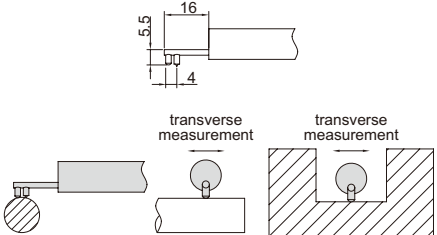
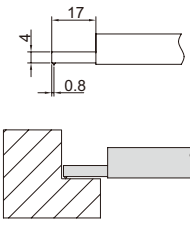
Main unit	1pc
Standard probe	1pc
Calibration block	1pc
Adjustable stand	1pc
AC/DC adapter	1pc
Probe cover	1pc

OPTIONAL ACCESSORY

Extension rod	ISR-S400-ER100
Probe	see details
Printer	ISR-S500-PRINTER
USB cable and software	ISR-S-SOFTWARE
Test stand	ISR-S400-DK

To be continued

SPECIFICATION OF PROBES

<p>standard probe (included)</p>  <p>measure plane surfaces, holes and cylinders with diameter > Ø10mm</p>	<p>small roughness probe, code ISR-S400-SB10R2</p>  <p>measure surfaces with small roughness</p>
<p>extension rod, code ISR-S400-ER100</p>  <p>for long holes</p>	
<p>groove probe, code ISR-S400-SB20</p>  <p>measure plane surfaces and grooves</p>	<p>deep groove probe, code ISR-S400-SB120</p>  <p>measure grooves with depth < 20mm</p>
<p>small hole probe, code ISR-S400-SB30</p>  <p>measure plane surfaces and holes with diameter > Ø4mm and depth < 20mm</p>	<p>deep hole probe, code ISR-S400-SB80</p>  <p>measure holes with diameter > Ø4.5mm and depth < 35mm</p>
<p>small rod probe, code ISR-S400-SB40</p>  <p>measure small rods with diameter Ø1-5mm</p>	<p>cylinder/hole probe, code ISR-S400-SB110</p>  <p>measure cylinders and holes with radius > Ø5mm</p>
<p>transverse probe, code ISR-S400-SB50</p>  <p>transverse measurement for plane surfaces, cylinders and grooves</p>	<p>internal angle probe, code ISR-S400-SB140</p>  <p>measure internal angles</p>