

# ROUGHNESS TESTER CODE ISR-S400

**INSIZE PLUS**  
MADE IN ITALY



PROBE CAN  
BE REPLACED

DATA  
OUTPUT

CUSTOM-MADE  
PROBES ARE AVAILABLE



software CD (included)



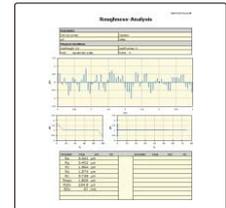
adjustable stand (included)



transverse measurement



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



output software (included), output data and graphic to Excel, make report, print

- 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



heavy duty test stand (optional)



light duty test stand (optional)

## SPECIFICATION

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

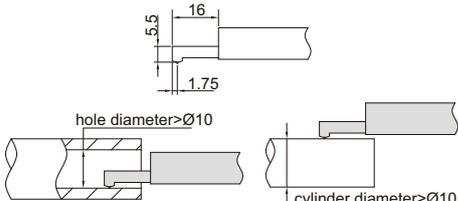
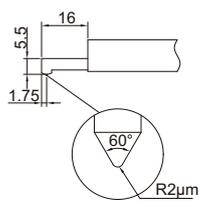
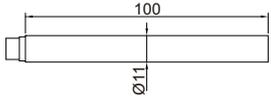
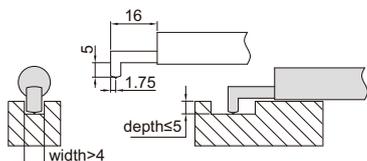
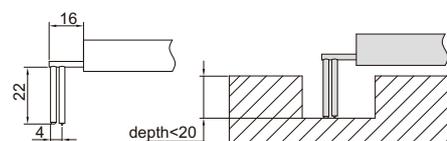
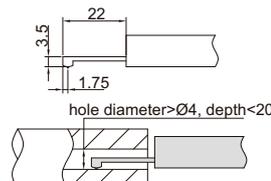
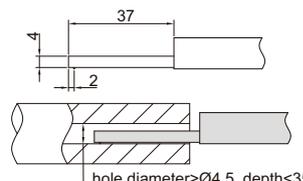
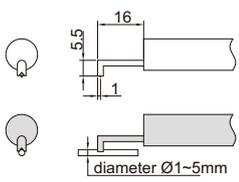
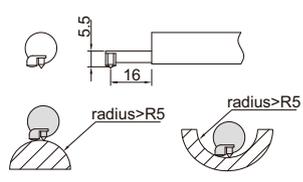
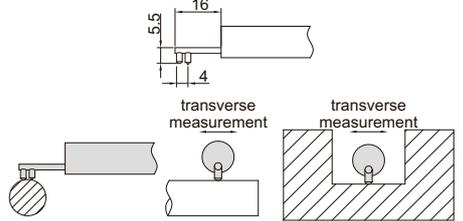
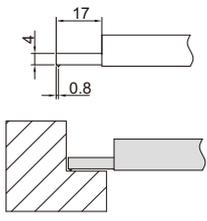
Main unit	1 pc
Standard probe	1 pc
Calibration block	1 pc
Adjustable stand	1 pc
AC/DC adapter	1 pc
Probe cover	1 pc
USB cable and output software	1 pc

## OPTIONAL ACCESSORY

Extension rod	ISR-S400-ER100
Probe	see details
Measuring software	ISR-S-SOFTWARE
Heavy duty test stand	ISR-S400-DK
Light duty test stand	ISR-S400-STAND

To be continued

**SPECIFICATION OF PROBES**

<p><b>standard probe (included)</b></p>  <p>measure plane surfaces, holes and cylinders with diameter &gt;Ø10mm</p>	<p><b>small roughness probe (optional) code ISR-S400-SB10R2</b></p>  <p>measure surfaces with small roughness</p>
<p><b>extension rod (optional) code ISR-S400-ER100</b></p>  <p>for long holes</p>	
<p><b>groove probe (optional) code ISR-S400-SB20</b></p>  <p>measure plane surfaces and grooves</p>	<p><b>deep groove probe (optional) code ISR-S400-SB120</b></p>  <p>measure grooves with depth &lt; 20mm</p>
<p><b>small hole probe (optional) code ISR-S400-SB30</b></p>  <p>measure plane surfaces and holes with diameter &gt; Ø4mm and depth &lt; 20mm</p>	<p><b>deep hole probe (optional) code ISR-S400-SB80</b></p>  <p>measure holes with diameter &gt; Ø4.5mm and depth &lt; 35mm</p>
<p><b>small rod probe (optional) code ISR-S400-SB40</b></p>  <p>measure small rods with diameter Ø1~5mm</p>	<p><b>cylinder/hole probe (optional) code ISR-S400-SB110</b></p>  <p>measure cylinders and holes with radius &gt; R5mm</p>
<p><b>transverse probe (optional) code ISR-S400-SB50</b></p>  <p>transverse measurement for plane surfaces, cylinders and grooves</p>	<p><b>internal angle probe (optional) code ISR-S400-SB140</b></p>  <p>measure internal angles</p>