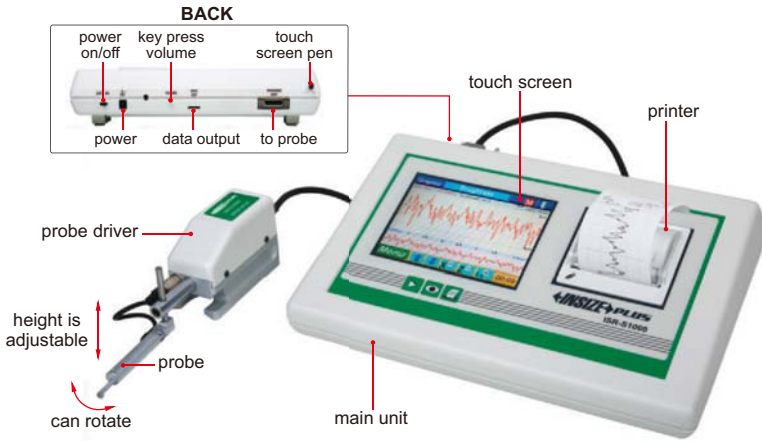


# SURFACE ROUGHNESS TESTER CODE ISR-S1000A

DATA  
OUTPUT

CUSTOM-MADE  
PROBES ARE AVAILABLE



- 38 roughness parameters according to ISO-4287, JIS-B0601, ISO-12085, JIS-B0631
- Automatic probe leveling
- Measuring range up to 1000µm, can measure grit and shot blasting
- Traverse length up to 25mm
- The probe can be set at 90° or 270°, for transverse measurement
- Color touch screen, display roughness values, profile and curves
- Can print roughness values, profile and curves
- Memory of maximum 1000 results
- Can set tolerance

## measuring software (optional)



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



test stand (optional)



handhold use



probe can be inverted

## SPECIFICATION

<b>Parameters</b>	Ra, Rq, Rt, Rz, Rp, Rv, Rc, Rsk, Rku, Rsm, Rdc, RPl, Pa, Pq, Pt, Pp, Pv, Pc, PSm, Pdc, Ppc, Rk, Rpk, Rvk, Mr1, Mr2, Rmax, R3z, R3zm, R, AR, Rx, Aw, Rke, Rpke, Rvke, Mr1e, Mr2e	
<b>Range</b>	1000µm	
<b>Accuracy</b>	±3%	
<b>Resolution (Ra)</b>	0.001µm	
<b>Probe</b>	<b>type</b>	inductive
	<b>stylus radius/angle</b>	5µm/90°
	<b>stylus material</b>	diamond
<b>Measuring force</b>	0.75mN	
<b>Measuring unit</b>	µm/µin	
<b>Cut off</b>	0.08/0.25/0.8/2.5mm	
<b>Number of cut-offs</b>	1-19 (cut off 0.08/0.25/0.8mm) 1-9 (cut off 2.5mm)	
<b>Traverse speed</b>	0.5mm/s or 1mm/s	
<b>Memory</b>	1000 measurement results	
<b>Output</b>	USB	
<b>Power</b>	built-in rechargeable battery	
<b>Dimension (LxWxH)</b>	320x210x80mm	
<b>Weight</b>	2.2kg	

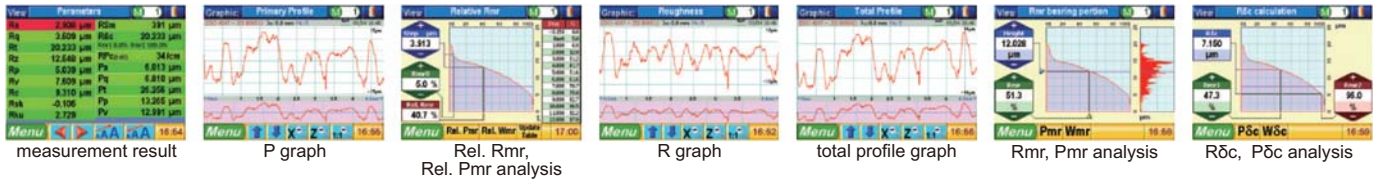
## STANDARD DELIVERY

<b>Main unit</b>	1pc
<b>Probe driver</b>	1pc
<b>Standard probe</b>	1pc
<b>Calibration block</b>	1pc
<b>AC/DC adapter</b>	1pc

## OPTIONAL ACCESSORY

<b>Probe</b>	see details
<b>USB cable and software</b>	ISR-S-SOFTWARE
<b>Test stand</b>	ISR-S400-DK

To be continued



**SPECIFICATION OF PROBES**

Unit: mm

<p><b>standard probe (included), code ISR-SB10A</b></p> <p>measure plane surfaces, holes and cylinders with diameter &gt; <math>\varnothing 10</math>mm</p>	<p><b>small roughness probe (optional), code ISR-SB10A-R2</b></p> <p>measure surfaces with small roughness</p>
<p><b>groove probe (optional), code ISR-SB20A</b></p> <p>measure plane surfaces and grooves</p>	<p><b>deep groove probe (optional), code ISR-SB120A</b></p> <p>measure grooves with depth &lt; 20mm</p>
<p><b>small hole probe (optional), code ISR-SB30A</b></p> <p>measure plane surfaces and holes with diameter &gt; <math>\varnothing 4</math>mm and depth &lt; 20mm</p>	<p><b>deep hole probe (optional), code ISR-SB80A</b></p> <p>measure holes with diameter &gt; <math>\varnothing 4.5</math>mm and depth &lt; 35mm</p>
<p><b>small rod probe (optional), code ISR-SB40A</b></p> <p>measure small rods with diameter <math>\varnothing 1 \sim 5</math>mm</p>	<p><b>cylinder/hole probe (optional), code ISR-SB110A</b></p> <p>measure cylinders and holes with radius &gt; R5mm</p>
<p><b>transverse probe (optional), code ISR-SB50A</b></p> <p>transverse measurement for plane surfaces, cylinders and grooves</p>	<p><b>internal angle probe (optional), code ISR-SB140A</b></p> <p>measure internal angles</p>