

SURFACE ROUGHNESS TESTER PART NO. ISR-S1000B

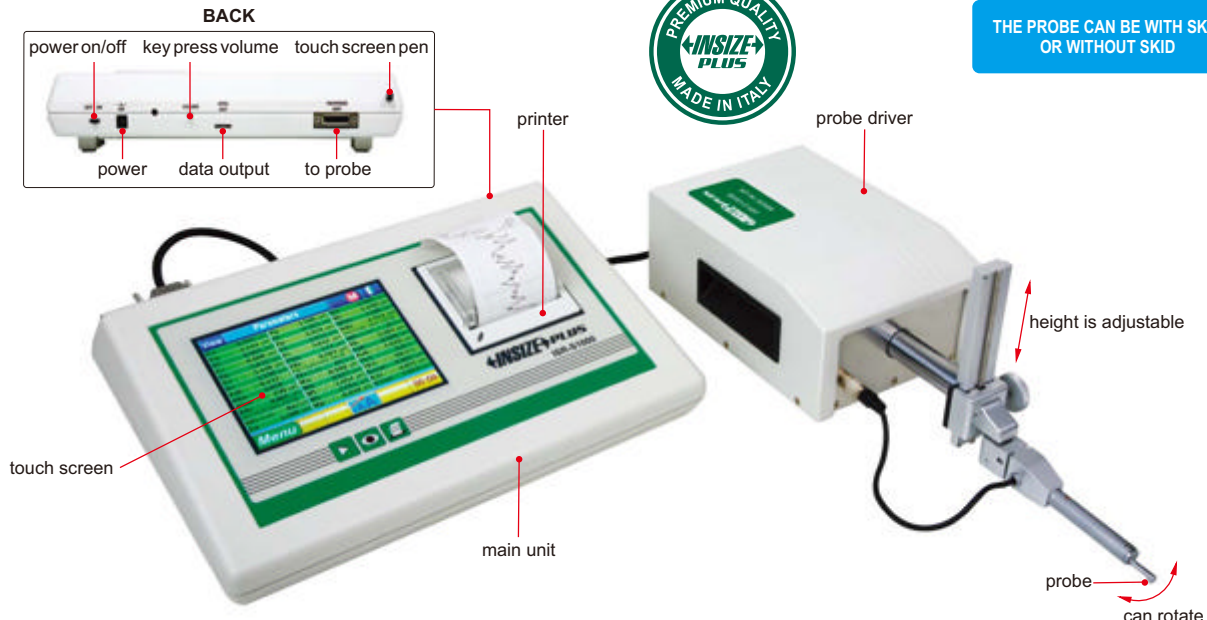
PROBE IS DETACHABLE

CAN MEASURE WAVINESS AND CURVED SURFACE WITH RADIUS > .197"

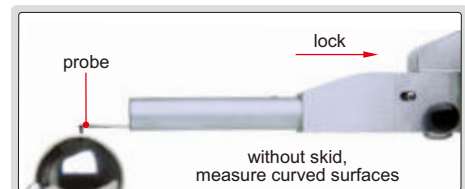
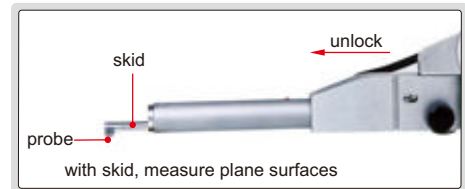
DATA OUTPUT



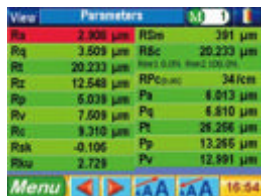
THE PROBE CAN BE WITH SKID OR WITHOUT SKID



- 48 roughness parameters according to ISO-4287, JIS-B0601, ISO-12085, JIS-B0631
- Automatic probe leveling
- Measuring range up to 39370µin, can measure grit and shot blasting
- Traverse length up to 1.97"
- The probe can rotate from -90° to +90°
- Color touch screen, display roughness values, profile and curves
- Can print roughness values, profile and curves
- Memory of maximum 1000 results
- Can set tolerance



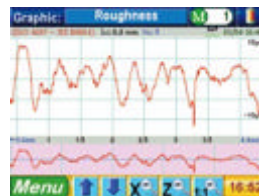
ROUGHNESS VALUE, PROFILE AND DATA ANALYSIS



measurement result



total profile graph



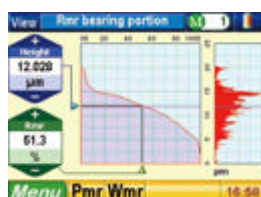
R graph



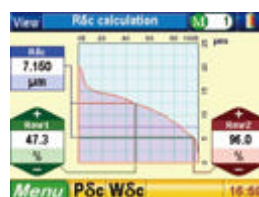
P graph



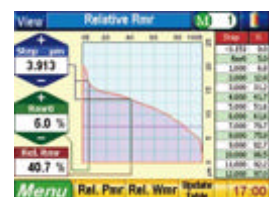
W graph



Rmr, Pmr, Wmr analysis



RfC, Pfc, Wfc analysis



Rel. Rmr, Rel. Pmr, Rel. Wmr analysis

To be continued

Continued from previous page

SURFACE ROUGHNESS TESTER PART NO. ISR-S1000B

SPECIFICATION

Parameters	Ra, Rq, Rt, Rz, Rp, Rv, Rc, Rsk, Rku, RSm, Rδc R _{Pc} , Pa, Pq, Pt, Pp, Pv, Pc, Psm, Pδc, PPc, Wa Wq, Wt, Wz, Wp, Wv, Wc, Wsm, Wδc, WPc, Rk Rpk, Rvk, Mr1, Mr2, Rmax, R3z, R3zm, R, AR Rx, Aw, Rke, Rpke, Rvke, Mr1e, Mr2e	
Range	39370µin	
Accuracy	±3%	
Resolution (Ra)	.01µin	
Probe	type	inductive
	stylus radius/angle	196µin/90°
	stylus material	diamond
Measuring force	0.003ozf	
Measuring unit	µin/µm	
Cut off	.003/.01/.03/.1/.3"	
Number of cut-offs	1-19 (cut off .003/.01/.03/.1") 1-5 (cut off .3")	
Traverse speed	.02"/s or .04"/s	
Memory	1000 measurement results	
Output	USB	
Power	built-in rechargeable battery	
Dimension (LxWxH)	12.60x8.27x3.15"	
Weight	4.85lb	

STANDARD DELIVERY

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

OPTIONAL ACCESSORY

Probe	refer to next page
USB cable and software	ISR-S-SOFTWARE
Test stand	ISR-S1000B-STAND



test stand (optional)

measuring software (optional)



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

To be continued

SPECIFICATION

<p>standard probe (included, support is removable), part no. ISR-SB10B</p> <p>with probe support, measure plane surfaces, holes and cylinders with diameter >.394" DIA</p> <p>remove probe support, to measure holes with diameter >.157" DIA, can measure curved surfaces, narrow spaces and waviness</p>		
<p>small hole probe (optional), part no. ISR-SB60B</p> <p>without probe support, measure holes with diameter >.079" DIA and depth <1.181", can measure curved surfaces, narrow spaces and waviness</p>	<p>internal angle probe (optional), part no. ISR-SB70B</p> <p>without probe support, measure internal angles, can measure curved surfaces, narrow spaces and waviness</p>	<p>knife edge probe (optional), part no. ISR-SB130B</p> <p>without probe support, measure knife edges and small rods</p>
<p>deep groove probe (optional), part no. ISR-SB150B</p> <p>without probe support, measure curved surfaces and grooves with depth <.512", can measure curved surfaces, narrow spaces and waviness</p>		<p>deep groove probe (optional), part no. ISR-SB120B</p> <p>measure grooves with depth <.787"</p>
<p>hole probe (optional), part no. ISR-SB30B</p> <p>measure plane surfaces and holes with diameter >.157" DIA and depth <.787"</p>	<p>small rod probe (optional), part no. ISR-SB40B</p> <p>measure small rods with diameter .039~.197" DIA</p>	<p>transverse probe (optional), part no. ISR-SB50B</p> <p>transverse measurement for plane surfaces, cylinders and grooves</p>
<p>deep hole probe (optional), part no. ISR-SB80B</p> <p>measure holes with diameter >.177" DIA and depth <1.378"</p>	<p>cylinder/hole probe (optional), part no. ISR-SB110B</p> <p>measure cylinders and holes with radius >.197" R</p>	<p>groove probe (optional), part no. ISR-SB20B</p> <p>measure plane surfaces and grooves</p>