

Surface Roughness Tester



Features:

- Separated design, mini driver easy and convenient to use.
- Multi-parameter measuring: Ra, Rp, Rv, Rt, Rz, Rq, Rsk, RΔq, RΔa, Rku, Rc, R_{PC}, R_{Sm}, R_{mr(c)}, tp, R_{mr}, R_{pm}, Rz_{1max}, Rz_{JIS}, R_{max}, H_{tp}, R_{δc}, Pa, Pp, Pv, Pt, Pz, Pq, Psk, Pku, Pc, P_{Sm}, P_{mr(c)}, P_{mr}, Pz_{1max}, Pz_{JIS}, P_{δc}, PΔq, Rk, Rpk, Rvk, Mr1, Mr2, A1, A2.
- Touch screen with TFT LCD showing all important parameters and graphs.
- High accuracy inductive pickup.
- Filtering methods of 2RC, GAUSS.
- Compatible with standards of ISO 1997, ANSI and JIS2001.
- Connected to TIME TA 230 printers to print all parameters and graphs.
- RS232 interface and USB interface meeting more needs.
- Auto switch off.

Technical Specifications

Test Principle	Inductance type	Traversing Speed:
Measurement range	400 μ m	Measuring:
		Cut off length = 0.08 mm Vt=0.25 mm/s
		Cut off length = 0.25 mm Vt=0.25mm/s
Stylus tip radius	5 μ m/2 μ m	
Stylus tip material	Diamond	Cut off length = 0.8 mm Vt=0.5 mm/s
Measuring force	4mN/0.75 mN	Cut off length = 2.5mm Vt=1mm/s
Stylus tip angle	90°/60°	Returning V=1mm/s
Radius of skid curvature	45mm	
		Measuring Range and Resolution
Maximum drive range	19mm/0.748inch	Automatic: 0.001 μ m,0.008 μ m
Accuracy	Less than or equal to \pm 10%	\pm 50 μ m 0.001 μ m
Repeatability	\geq 6%	\pm 200 μ m 0.008 μ m
Cut-off length	0.08mm,0.25mm,0.8mm,2.5mm, selectable	
Evaluation length	(1~5) L selectable	
Power adapter	Input: 100 V~240VAC,50/60Hz Output: 9V,3A	
Working environment	Temperature: 0 ~40 Humidity: < 90% RH	
Dimensions (mm)	155.4 \times 75 \times 53	
Weight (g)	580	

Standard Accessories	
Main unit	1
Standard pickup	1
Standard sample	1
Power adapter	1
Communication cable	1
Protection sleeve	1
Adapter	1
Warranty card	1
Instruction Manual	1