



Features

- Separated design, mini driver easy and convenient to use
- Multi measurement parameters: Ra, Rp, Rv, Rt, Rz, Rq, Rsk, Rku, Rc, R_{Pc}, R_{Sm}, R_{mr(c)}, tp, R_{mr}, R_{pm}, Rz1max, RzJIS, Rmax, Htp, R_{dc}, R_{Δq}, R_{Δa}, Pa, Pp, Pv, Pt, Pz, Pq, Psk, Pku, Pc, P_{Sm}, P_{mr(c)}, P_{mr}, Pz1max, PzJIS, P_{dc}, P_{Δq}, 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 ISO1997, ANSI and JIS2001
- Connected to the printer to print all parameters and graphs
- RS232 interface and USB interface meeting more needs
- Auto switch off

TIME[®] 3221

SURFACE ROUGHNESS TESTER

Standard Delivery

- Main unit 1
- Standard pickup 1
- Standard sample 1
- Power adapter 1
- Communication cable 1
- Protection sleeve 1
- Adapter 1
- Magnetic base 1
- TIME certificate 1
- Warranty card 1
- Instruction manual 1

Technical specification

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