



Features

- Multi-parameter measuring: Ra, Rp, Rv, Rt, Rz, Rq, Rsk, Rku, Rc, RPc, RSm, Rmr(c), tp, Rmr, Rpm, Rz1max, RzJIS, Rmax, Htp, R \ddot{c} c, R Δ q, R Δ a, Pa, Pp, Pv, Pt, Pz, Pq, Psk, Pku, Pc, PSm, Pmr(c), Pmr, Pz1max, PzJIS, P \ddot{c} c, P Δ q, Rk, Rpk, Rvk, Mr1, Mr2, A1, A2
- Touch screen
- High accuracy inductance pickup
- Filtering methods of 2RC, GAUSS
- Compatible with four standards of ISO1997, ANSI and JIS2001
- TFT LCD displays all parameters and graphs
- Can be connected to TIME TA230 printer to print all parameters and graphs
- Built-in standard RS232 interface and USB interface
- Language: Traditional Chinese/ Simplified Chinese/ English
- Automatic switch off
- Integrated design, simple to use

TIME®3220
SURFACE ROUGHNESS TESTER

Standard Delivery

- | | |
|-----------------------|---|
| • Main unit | 1 |
| • Standard pickup | 1 |
| • Standard sample | 1 |
| • Power adapter | 1 |
| • Communication cable | 1 |
| • Protection sleeve | 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 $\pm 10\%$	
Repeatability	$\leq 6\%$	
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
	$\pm 50\mu m$	0.001μm
$\pm 200\mu m$	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	