

Portable Surface Roughness Tester TIME[®]3220



Features :

Multi-parameter measuring: Ra, Rp, Rv, Rt, Rz, Rq, Rsk, Rku, Rc, RPc, RSm, Rmr(c), tp, Rmr, Rpm, Rz1max, RzJIS, Rmax, Htp, Rδc, RΔq, RΔa, Pa, Pp, Pv, Pt, Pz, Pq, Psk, Pku, Pc, PSm, Pmr(c), Pmr, Pz1max, PzJIS, Pδc, PΔq, 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

Standard Delivery

Standard Pickup	1
Main Unit	1
Standard Sample	1
Power Adapter	1
Communication Cable	1
Protection Sleeve	1

Technical Specification :

Pickup		
Test Principle	Inductance type	
Measurement Range	400 μ m	
Stylus tip Radius	5 μ m/2 μ m	
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	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	0.001 μ m , 0.008 μ m
	$\pm 50 \mu$ m	0.001 μ m
	$\pm 200 \mu$ m	0.008 μ m
Power	Built-in Li battery	
Power adapter	Input: 100 V ~ 240VAC , 50/60Hz Output: 9V, 3A	
Working environment	Temperature: 0 ~40 Humidity: < 90% RH	
Storage and transport environment	Temperature: - 40 ~ 60 Humidity: < 90% RH	
Dimensions	155.4 × 75 × 56mm	
Weight	Approximately 760g	