

Portable Surface Roughness Tester TIME[®]3220



Features :

Multi-parameter measuring: Ra, Rp, Rv, Rt, Rz, Rq, Rsk, Rku, Rc, R_{Pc}, R_{Sm}, R_{mr(c)}, tp, R_{pm}, R_{z1max}, R_{zJIS}, R_{max}, H_{tp}, R_{δc}, R_{Δq}, R_{Δa}, Pa, Pp, Pv, Pt, Pz, Pq, Psk, Pku, Pc, P_{Sm}, P_{mr(c)}, P_{mr}, P_{z1max}, P_{zJIS}, P_{δc}, P_{Δq}, 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 μ m 0.001 μ m
	\pm 200 μ 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 \times 75 \times 56mm
Weight	Approximately 760g