

TRADE COMBINE

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TIME Precision Measuring Instrument

Surface Roughness Tester TR100 / 110



Features:

- Pocket size & economical price
- Large measuring range suitable for most materials
- Measures flat, outer cylindrical and sloping surface
- Both Ra and Rz parameters in one instrument
- Features external calibration at keyboard
- Standard conform to ISO and DIN
- Rechargeable batteries, work while charging
- TR110 is equipped with Li-ion battery and backlight

Technical Specification:-

	TR100	TR110
Roughness Parameter	Ra, Rz	

Tracing length	6 mm	
Tracing speed	1.0mm / sec	
Cut-off-lengths	0.25mm / 0.8mm / 2.5mm	
Evaluation length	1.25mm / 4.0mm / 5.0mm	
Measuring range	Ra: 0.05-10.0 μ m Rz: 0.1 - 50 μ m	
Tolerance	= \pm 15%	
Repeatability	< 12%	
Filter	RC analogue	
Pick-up	Piezoelectric	
Radius and angle of the stylus point	Diamond, Radius : 10 \pm 2.5 μ m Angle : 90° (+5° or - 10°)	
Operating temperature	0 - 40°C	
Humidity	< 80%	
Storing temperature	-25°C ~ 60°C	
Ventilation	Grade 3	
Power supply	3.6V/2 \times NiMH-batteries	3.6V Li-ion battery
Backlight	No	Yes
Charger	DC 9V, 8 - 12 hours (recharging time)	DC 6V, 3 hours (recharging time)
Dimensions (L \times W \times H)	125 \times 73 \times 26mm	110 \times 70 \times 24mm
Weight	200g	160g

Surface Delivery

- Main unit 1
- Protection cover for pickup 1
- Specimen Ra 1
- Charger 1
- TIME certificate 1
- Instruction manual 1
- Warranty card 1

Optional Accessories

- Various Ra specimen with Ra values: 0.1 μ m, 0.2 μ m, 0.4 μ m, 0.8 μ m, 3.2 μ m

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