

TIME[®]3110

SURFACE ROUGHNESS TESTER

Standard Delivery

- Main unit 1
- Specimen Ra 1
- Charger 1
- TIME certificate 1
- Warranty card 1
- Instruction manual 1

Optional Accessory

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



Features

- Pocket-size unit with economical price, widely used in production lines, workshops and labs.
- Wide measuring range suitable for most materials, and applicable for flat, outer cylinder and sloping surface
- Ragged design device with a long lifetime, while keeping the accurate and reliable data results
- Both Ra and Rz measurement range
- All calculated measurement results shown on its LCD back-lit display hardly after tested
- Indicator and alarm for low battery, out-of-limit values and dysfunction
- Chargeable Li battery and improvement of the circuits function.
- Improvement and Protection for sensor to secure the high accuracy and good stability.
- Conforms to ISO and DIN



Technical Specification

Model	TIME [®] 3110
Roughness parameter	Ra, Rz
Tracing length	6mm
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: 0.05-10.0µm Rz: 0.1-50µm
Tolerance	±15%
Repeatability	<12%
Filter	RC analogue
Pick-up	Piezoelectric
Radius and angle of the stylus point	Diamond, Radius : 10±2.5µm Angle: 90°(+5° or -10°)
Operating temperature	0~40℃
Humidity	<80%
Storing temperature	-25℃ ~ 60℃
Power	3.6V Li-ion battery
Charger	DC6V, 3 hours (charging time)
Dimension (mm)	110×70×24
Weight (g)	160