

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: 0.1 μ m, 0.2 μ m, 0.4 μ m, 0.8 μ m, 3.2 μ m



Features

- Pocket-size & economically price
- Large measuring range suitable for most materials
- Measures flat, outer cylinder and sloping surface
- Both Ra and Rz parameters in one instrument
- Features external calibration at keyboard
- Standard conform 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: 0.05-10.0 μ m Rz: 0.1-50 μ m
Accuracy	\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 $^{\circ}$ (+5 $^{\circ}$ or -10 $^{\circ}$)
Operating temperature	0~40 $^{\circ}$ C
Humidity	<80%
Storing temperature	-25 $^{\circ}$ C ~ 60 $^{\circ}$ C
Power	3.6V Li-ion battery
Charger	DC6V, 3 hours (charging time)
Dimension (mm)	110 \times 70 \times 24
Weight (g)	160