

TIME[®]3100/3110

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
- Various Rz specimen



TIME3100

Features

- TIME3100: Two OLED dot matrix indicators: one on the front display and the other on top cover display
- 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



TIME3110

Technical Specification

Model	TIME [®] 3100	TIME [®] 3110
Roughness parameter	Ra, Rz	
Screen	Two OLED dot matrix screen	LCD with back light
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: 0.05-6.5μm 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 °C	
Humidity	<90%	<80%
Storing temperature	-25 °C ~ 60 °C	-25 °C ~ 60 °C
Power	3.7V Li-ion battery	3.6V Li-ion battery
Charger	DC6V, 3 hours (charging time)	DC6V, 3 hours (charging time)
Dimension (mm)/Weight (g)	116×86×30 / 200g	110×70×24 / 160g