



# Test and Measurement Instruments C.C.

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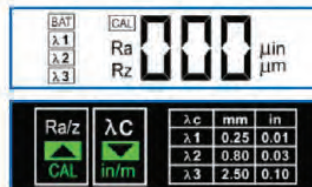
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## Surface Roughness Tester TR100/110



### Features:

- Pocket-size & economical 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
- Rechargeable batteries, work while charging
- TR110 is equipped with Li-ion battery and backlight



### Technical Specification

Model	TR100	TR110
Roughness parameter		Ra, Rz
Tracing length		6mm
Tracing speed		1.0mm/sec
Cut-off length		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°C
Humidity		<80%
Storing temperature		-25~60°C
Power supply	3.6V/2 X NiMH-batteries	3.6V Li-ion battery
Backlight	No	Yes
Charger	DC 9V, 8 - 12 hours (recharging time)	DC6V, 3 hours (recharging time)
Dimensions (mm)	125 X 73 X 26	110 X 70 X 24
Weight (g)	200	160

### Standard Delivery

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

### Optional Accessory

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