

# TR3110 Portable Roughness Tester



The TR3100 is a portable surface roughness tester. It has a large measuring range suitable for most materials and has Ra and Rz parameters. It features an external calibration at the keyboard. The TR3110 is equipped with a Li-ion Battery.

## Features

- Pocket-size & economically priced
- Large measuring range suitable for most materials
- Measures flat, outer cylinder and sloping surfaces
- Both Ra and Rz parameters in one instrument
- Features external calibration at keyboard
- Conforms to ISO and DIN Standards

## Technical Specifications

Part Number	Description
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
Accuracy	±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
Storing Temperature and Humidity	-25°C - 60°C; <80%
Power	3.6V Li-ion battery
Charger	DC6V, 3 hours (charging time)
Dimension (mm)	110mm x 70mm x 24mm
Weight (g)	160g

## Packing List

TR3110 Surface Roughness Tester unit
Standard sample plate - Ra
Charger
Warranty Card and Hard Carry Case
Calibration Certificate and Instruction Manual

