

SURFACE ROUGHNESS TESTER TR-110™

Handheld surface roughness tester for external surfaces and grooves

- LCD with back-light
- Dynamic test display: progress of cut-off length during testing
- Li-ion rechargeable battery
- Protection slide on pick-up
- Auto-off after 90 seconds
- Sound signal start-test-ready
- Pocket-sized and economically priced!
- Both Ra and Rz parameters in one instrument
- Software calibration
- Large measuring range suitable for most materials
- Piëzo-electric pick-up stylus for external surfaces



Technical specifications

Roughness parameter	Ra, Rz
Units	μm / μinch
Measuring range	Ra: 0.05-15.0μm / Rz: 0.1-50μm
Cut-off lengths	0.25mm, 0.8mm, 2.5mm
Filter	2CR
Functions	Dynamic display during testing, sound signal start-test-ready, auto-off 90 seconds, back-light LCD
Calibration	By CAL function
Min. curvature of cylindrical surface	40mm diameter (V-grooved base)
Tracing length	6mm
Tracing speed	1.0mm/sec
Accuracy	Conforms to ISO Class 3
Pick-up stylus	Piëzo-electric
Tracer tip	Diamond, radius 5μm
Operating temperature	0°C - 40°C
Power	3.6 V / Li-ion batteries / low battery indication
Charger	6V DC
Dimensions	110mm x 70mm x 24mm
Weight	200gr

Standard delivery

- Main unit
- Protection cover for tracer
- Roughness test plate Ra
- Charger
- Soft bag
- Carrying case
- Manual
- Certificate

Optional accessories

- UKAS certified roughness test plates