

TR100 Plus New surface Roughness Tester



Introduction:

The TR100 PLUS new surface roughness tester is designed with an advanced micro-processor, performs data acquisition, data processing and display of all test measurements. This instrument features an integrated process, OLED display and sensor, and allows for user selectable roughness units in Ra,Rz, Rq and Rt. It measures the surface roughness of flat, round and sloping plains. And TR100 PLUS measures grooves and recession up to 3.1 x 1.2 in (80 x 30mm).

Features:

- Metal frame, Handheld, Digital
- High contrast OLED display
- Four parameters Ra, Rz, Rq and Rt available at the push of a button
- USB output for recharging
- Measurements in both British and Metric unit mode
- Calibration fully adjustable at the key-board on the front
- Protective shield for protecting sensor from damage
- Adjustable cut-off lengths according to ISO / DIN standard
- Measures flat, outer cylinder and sloping surfaces
- Measures metal and non-metal processing parts
- Auto shutdown

Technical Specifications

Roughness parameter	Ra, Rz, Rq and Rt
Tracing length	6mm
Pick-up	Piezoelectric
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%
Radius and angle of the stylus point	Diamond, Radius : 10±1µ Angle: 90°(+5°or -10°)
Operating temperature	0-40 °C
Relative humidity	< 90%
Power supply	3.6V Li-ion battery
Dimensions (LxWxH)	106 mmx70 mmx24 mm
Weight	200g

Standard Delivery

TR100 Plus with a built-in probe
Calibration certificate
Standard test block
Battery charger with USB cable
Instruction Manual
Carrying case