



TR110 Surface Roughness Tester

The TR110 is a pocket-sized surface roughness tester with measurement of roughness parameters Ra and Rz in one instrument. Simple to use, it provides speedy and precise measurement of surface texture and features a large backlit LCD display.

It is suitable for most materials, flat and outer cylinder. Useful for inspection departments, quality control, on the shop floor during machining, assembly and on-site. The piezo-electric pick-up stylus with diamond tip assures a very reliable measurement in conformance with ISO Class 3. Ra parameter is in conformance to ISO while Rz conforms to DIN and ISO standards.

Technical Specification:

<input type="checkbox"/> Roughness Parameter:	Ra, Rz
<input type="checkbox"/> Tracing Length:	6mm
<input type="checkbox"/> Tracing Speed:	1.0mm/sec
<input type="checkbox"/> Cut – Off Lengths:	0.25mm / 0.8mm / 2.5mm
<input type="checkbox"/> Measuring Range:	Ra: 0.05 – 10.0 μm ~ Rz: 0.1 – 50 μm
<input type="checkbox"/> Minimum curvature:	40mm diameter
<input type="checkbox"/> Accuracy	Conforms to ISO Class 3
<input type="checkbox"/> Filter:	RC analogue
<input type="checkbox"/> Pick Up:	Piezoelectric
<input type="checkbox"/> The Stylus Point:	Diamond radius: 5 μm \pm 1 μm ~ Angle:90°
<input type="checkbox"/> Power Supply:	2 x 3.6V Li-ion battery
<input type="checkbox"/> Charger:	DC9V,
<input type="checkbox"/> Dimensions:	110 x 70 x 24mm
<input type="checkbox"/> Weight:	200g

Standard Delivery:

- Main unit
- Pick up protection cover
- Roughness test plate Ra
- Charger
- Instruction manual
- Carrying case
- Calibration certificate