

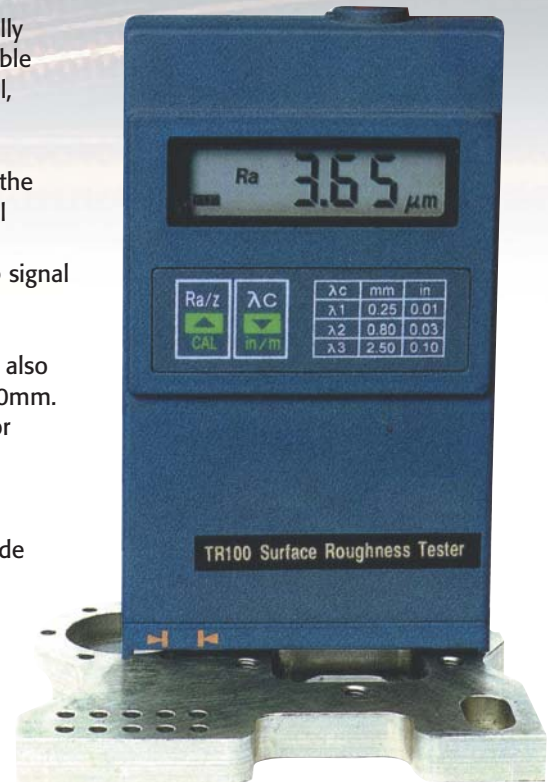
Portable Surface Roughness Tester TR100

TR100 portable surface roughness tester is a pocket-sized economically priced instrument for measuring surface texture conforming to traceable standards. It can be used on the shop floor in any position, horizontal, vertical or anywhere in between.

The large LCD display shows either roughness parameter Ra or Rz at the touch of a button, combined with the selected cut-off length. External calibration of roughness values is possible by means of a special CAL button, which makes adjustment of this instrument very easy. A beep signal informs the user of each individual measurement status when ready.

The easy to use TR100 operates on various surfaces, not only flat but also outer cylinder, outer cone, grooves, and recesses greater than 80 X 30mm. The areas of application are wide spread. This unit is most suitable for inspection departments, quality control, on the shop floor during machining, assembly and on-site.

TR100 determines both roughness parameters Ra and Rz within a wide measuring range (See specifications below). The piezo-electric pick-up stylus with diamond tip assures a very reliable measurement within tolerances in conformance with ISO Class 3. Ra parameter is in conformance to ISO while Rz conforms to DIN standards.



SPECIAL FEATURES:

- Compact design
- Excellent Quality-Performance/Price Ratio
- Simple operation
- Operates on various surfaces
- Measurement of Ra or Rz parameters with the touch of a button
- Both Metric & Imperial Modes
- Low battery indication
- Durable carrying case

TECHNICAL SPECIFICATION

Parameters

Ra, Rz

Measuring Lengths

1.25, 4.0 and 5.0 mm

Measuring Rang

Ra: 0.05 ~ 10.0 μm
Rz: 0.1 ~ 50.0 μm

Dimensions

125 X 73 X 26 mm

Cut-off Length

0.25, 0.8 and 2.5 mm

Weight

200 g

Tracing Length

6 mm

Operating Temperature

0° ~ 40° C

Power Source

2 X 3.6V NiCd batteries