

Surface Roughness Testers

\$1795
TR100



Model TR100

Pocket-sized! use it on the shop floor or in any position, horizontal, vertical or anywhere in between.

- Designed to measure surface textures conforming to traceable standards
- Large LCD display indicates either roughness parameter Ra or Rz at the touch of a button, combines with the selected cut-off length
- External calibration of roughness values is possible via a special CAL button, simplifies adjustments, audible signal informs the user when each measurement is ready
- Easy-to-use TR100 operates on various surfaces, not only flat, but also outer cylinders, outer cones, grooves and recesses greater than 80 x 30mm
- Determines both roughness parameters, Ra and Rz within a wide measuring range
- Piezo electric pick up stylus with diamond tip assures a very reliable measurement within tolerances that conform to ISO class 3

Specifications:

Roughness Parameter:	Ra (ISO), Rz (DIN)
Measuring Range:	Ra: 0.05 to 10 μ m; Rz: 0.1 to 50 μ m
Measuring Lengths:	0.05", 0.15", 0.2" / 1.25mm, 4.0mm, 5.0mm
Cut-off Lengths:	0.009", 0.032", 0.09" / 0.25mm, 0.8mm, 2.5mm
Tracing Length:	0.24" / 6mm
Tracing Speed:	0.039"/second, 1.00mm/second
Power Supply:	2 x 3.6V NiMH batteries
Dimensions:	4.9 x 2.87 x 1.023" / 125 x 73 x 26 mm
Weight:	7.06 oz / 200g

\$3595
TR200



Model TR200

Easy to operate via menu-driven software.

- 13 different roughness parameters displayed
- Graphical display on 50 x 30mm LCD screen
- Metric or imperial units of measure
- Conforms to ISO/DIN/JIS/ANSI
- RS-232 data output to printer or PC
- Inductive detector stylus with 5 μ m radius diamond tip
- Detector stylus position indicator
- Auto-off after 5 minutes
- Menus in English, French, German, Italian, Spanish and Dutch
- Includes TS100 detector stylus, roughness test plate, steel support for stand-alone use, interface cable, charger, carrying case and manual

Specifications:

Roughness Parameter:	Ra, Rz, Ry, Rq, Rt, Rp, Rmax, Rm, R3z, S, Sm, Sk, tp
Measuring Range:	Ra, Rq: 0.01 to 40 μ m; Rz, Ry, Rp, Rt, R3z: 0.2 to 160 μ m; Sm, S: 2 to 4000 μ m; tp: 1 to 100% (%Ry)
Display Resolution:	0.001 μ m/0.01 μ m
Profile Magnification:	Vv: 200x -- 20,000x; Vh: 20x, 50x, 200x
Cut-off Lengths:	0.009", 0.0315", 0.098" / 0.25mm, 0.8mm, 2.5mm
Tracing Length:	1 to 5 cut off + 2 cut off
Tracing Speed:	1.00mm/second
Display:	128 x 64 dot matrix LCD
Power Supply:	Lithium-ion rechargeable battery
Battery Life:	1000mAh (> 3000 measurements)
Dimensions:	5.55 x 2.2 x 1.89" / 141 x 56 x 48mm
Weight:	15.53 oz / 440g