



PORTABLE SURFACE ROUGHNESS TESTER - QUALISURF™ I

QualiSurf™ I portable surface roughness tester is a pocket-sized economically priced instrument for measuring surface texture conforming to traceable standards. It

APPLICATIONS

Portable Surface Roughness Tester - QualiSurf™ I

QualiSurf™ I can be used on the shop floor in any position, horizontal, vertical or anywhere in between.

The large OLED display shows four (4) roughness parameters Ra, Rz, Rq and Rt at the touch of a button, combined with the selectable 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.

Portable Surface Roughness Tester - QualiSurf I

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

QualiSurf™ I determine roughness parameters Ra, Rz, Rq and Rt 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.

FEATURES

Portable Surface Roughness Tester - QualiSurf™ I Features:

- Compact design, high resolution OLED display
- Excellent Quality-Performance/Price Ratio
- Simple operation
- Operates on various surfaces
- Measurement of four (4) parameters Ra, Rz, Rq, and Rt with the touch of a button
- Both Metric & Imperial Modes
- Measures flat, outer cylinder, outer cone, grooves, recesses greater than 80x30mm and sloping surfaces
- Measures metal and non-metal processing parts
- Calibration fully adjustable at the keyboard on the front
- USB output for recharging
- Low battery indication
- Durable carrying case

TECHNICAL SPECIFICATIONS

Portable Surface Roughness Tester - QualiSurf™ I Technical Specifications:

Parameters	Ra, Rz, Rq and Rt
Measuring Range	Ra: 0.05 ~10.0 μm Rz: 0.1 ~ 50.0 μm

Cut-off Length	0.25, 0.8 and 2.5 mm (0.001", 0.03", 0.01")
Tracing Length	6 mm
Measuring Lengths	1.25, 4.0 and 5.0 mm
Measuring Unit	Both metric & imperial modes
Accuracy	+/- 10% of actual value
Contact force on probe	<1.8ozf (<50gf)
Static measuring force of sensor stylus	<0.06ozf (<1.6gf)
Dimensions	125 X 73 X 26 mm (4.9 x 2.8 x 1.0 in)
Weight	200 g (0.4 lbs)
Operating Temperature	0° ~ 40° C (32 – 104 degrees F)
Power Supply	Rechargeable battery with indication of battery condition mains
Power charger:	AC plug with USB cable, 110V-240V
Instrument housing	aluminum



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Qualitest USA (Corporate Sales Office)

Toll-Free: 1.877.884.TEST (8378) | Fax: 954.697.8211
E-mail: info@qualitest-inc.com
Address: 8201 Peters Rd., #1000,
Plantation, FL 33324, USA.

Qualitest Canada & International

Tel: +1.905.944.9825 | Fax: +1.905.944.0304
E-mail: sales@qualitest-inc.com
Address: 70 East Beaver Creek Rd., #9, Richmond Hill,
Ontario L4B 3B2, Canada.

Qualitest Latin America (Mexico and LATAM Region)

E-mail: ventas@qualitest-inc.com

Qualitest KSA (Regional Office)

Tel: +966 11 500 6659
Address: Level 7, 3.09, District 3, King Abdullah
Financial District, Riyadh, Saudi Arabia

Qualitest Singapore (ASIA PACIFIC Regional Office)

Tel: +65 6393 5480 | E-mail: singapore@qualitest-inc.com
Address: 50 Raffles Place, Singapore Land Tower,
Level 46, Singapore, 048623.

Qualitest Indonesia (Representative Office)

Tel: +62 21 2985 9522 | Fax: +62 21 2985 9889
E-mail: indonesia@qualitest-inc.com
Address: One Pacific Place Level 11, Jl. Jend. Sudirman,
Kav. 52-53, SCBD Area, Jakarta 12190, Indonesia.

Qualitest FZE (Regional GCC/ME Office)

Tel: +971 4 8819252 | Fax: +971 4 8819262
Email: gcc@qualitest-inc.com
Address: Jafza One, BB 1610, Jebel Ali Free Zone,
PO Box 261440, Dubai, UAE.

Qualitest India

E-mail: india@qualitest-inc.com
Address: 15th Floor, Dev Corpora, Pokhran Road No.1,
Eastern Express Highway, Thane, Maharashtra,
Mumbai, 400601, India

