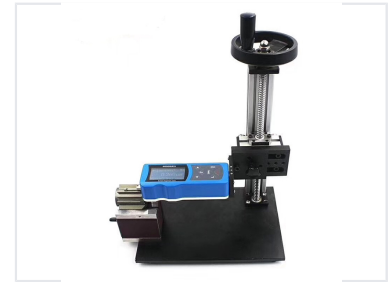


Digital Surface Roughness Tester

This digital tester measures surface roughness with precision. It features a digital display for readings in micrometers and is mounted on an adjustable stand.



ADDITIONAL IMAGES



Overview

Precision Surface Analysis

This digital surface roughness tester integrates mechanical and electrical design into a compact, lightweight form factor, ideal for both laboratory and field use. Powered by a high-speed DSP chip, it provides rapid data processing and supports a wide range of international standards including ISO, DIN, ANSI, and JIS. The device features a high-visibility 128x64 OLED display and offers advanced connectivity through Bluetooth and application integration for seamless data management.

Measurement Capabilities

Measurement Range

0.005 μm

Ra Min

16 μm

Ra Max

0.02 μm

Rz Min

160 μm

Rz Max

Supported Parameters

Ra, Rz, Rq, Rt, Rp, Rv, R3z, R3y, RzJIS, Rsk, Rku, Rsm, Rmr, Rx

Technical Specifications

Performance Metrics

Metric	Value
Indication Accuracy	0.001
Indication Error	±(7-10)%
Variability	<6%
Max Drive Stroke	17.5 mm

Sample Lengths

- 0.25
- 0.8
- 2.5

Hardware & Design

Connectivity

Bluetooth • App Compatible • Computer Interface • Printer Interface

Dimensions	158mm x 63.5mm x 46mm
Host Weight	0.3 kg

Power & Environment

Power & Battery	Rechargeable Li-battery with >20 hours continuous working time
Operating Environment	-20 to 40 , Humidity <90%

Standard Configuration

In the Box

- Host Unit
- Standard Sensor
- Calibration block and bracket
- Bracket
- Charger
- Adjustable support
- Operating manual
- Warranty card
- Certificate of approval
- Instrument case