

# Surface Roughness Tester Profilometer

This surface roughness tester profilometer offers a wide measurement range up to 800  $\mu\text{m}$ , with 5% accuracy and 3% repeatability. It accurately tests surface roughness, waviness, and primary profiles, and it accepts numerous optional sensors for use in hard-to-reach places.



## Overview

### Precision Surface Analysis

This advanced surface roughness tester is engineered for high-precision measurement of surface roughness, waviness, and primary profiles. Featuring an integrated design suitable for narrow spaces down to 1.5mm, it supports 55 different measurement parameters to ensure compliance with major international standards. The device offers extensive analysis capabilities, including graphic display and PC connectivity for comprehensive data management.

## Performance Metrics

### Measurement Range

**800  $\mu\text{m}$**

Max Range

**5 %**

Accuracy

**3 %**

Repeatability

### Max Tracing Length

50 mm

## Measurement Capabilities

### Supported Standards

ISO • DIN • ANSI • JIS

### Assessed Profiles

R (Roughness), W (Waviness), P (Primary profile), Rk

## Technical Specifications

### Cut-off Lengths

- 0.08mm
- 0.25mm
- 0.8mm
- 2.5mm
- 8mm
- 10mm

### Filtering Methods

- RC
- PCRC
- Gauss
- D-P
- ISO 13565

## Physical Properties

### Dimensions & Weight

Attribute	Value
Dimensions	409 x 96 x 98 mm
Weight	2300 g

## Connectivity & Power

Data Output	RS232, USB
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