



The Surface Roughness Tester is a precision instrument engineered for accurate measurement and evaluation of surface texture parameters. Designed for laboratory and industrial use, it delivers reliable, high-resolution results with advanced analysis features and multiple evaluation standards.

### Technical Specifications

#### Type

- Rack mountable

#### Measuring Range

- 0.01  $\mu\text{m}$  to 100  $\mu\text{m}$  (Ra)

#### Traverse Length

- 1.5 mm to 17.5 mm

#### Cut-off Lengths ( $\lambda\text{c}$ )

- 0.25 mm, 0.8 mm, 2.5 mm

#### Measurement Accuracy

- $\pm 10\%$  or better

#### Resolution

- 0.001  $\mu\text{m}$  or 0.005  $\mu\text{m}$  (selectable)

#### Detector Type

- **Diamond stylus**,  $\sim 2 \mu\text{m}$  tip radius

#### Display

- **5.7" large color LCD** (touchscreen + keypad operation)

#### Evaluation Standards

*Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.*



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- Compliant with **ISO 4287, JIS B0601, DIN, ANSI, ASME**

#### Output Interface

- USB, Bluetooth (optional), SD card, PC software connectivity

#### Battery

- Rechargeable **Li-ion battery**, ≥ 8 hours continuous operation

#### Calibration

- Compatible with **ISO 5436-1 standard roughness specimens**

#### Drive Unit

- **Detachable**, supports automated measurement setups

#### Statistical Functions

- Full **batch analysis with statistical evaluation**

#### Printer

- **Built-in thermal printer** for direct reporting

#### Curved Surface Support

- V-type support or **custom jigs** for non-flat samples

#### Stylus Tip

- Standard **diamond stylus, 2 μm radius**
- Optional tips available for grooves, curved or special surfaces

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