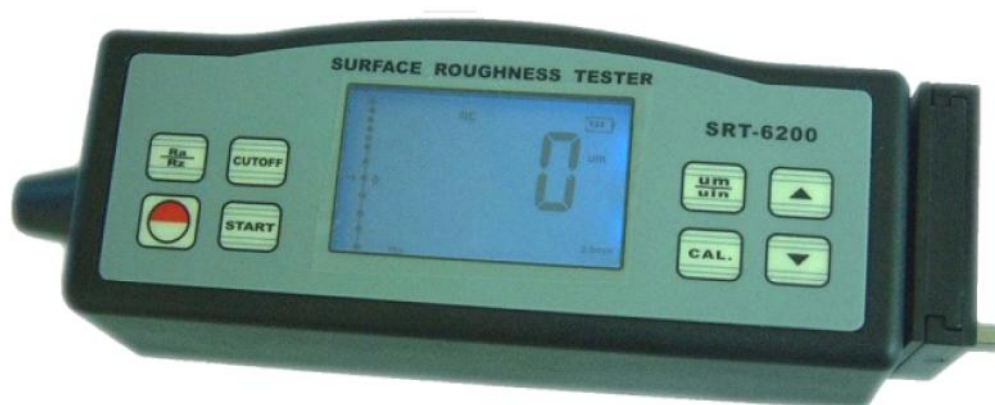


# Digital Portable Surface Roughness Tester



## Applications:

Widely used in production site to measure surface of various machinery-processed parts, calculate corresponding and clearly display all measurement parameter.

## Meets the standard:

GB/T6062, ISO 4287, Din 4768, JIS B, ANSI 46.1

## Specification:

|                              |           |                                                        |
|------------------------------|-----------|--------------------------------------------------------|
| Model                        |           | SRT-6200                                               |
| Range                        | Ra        | 0.050 ~ 10 $\mu$ m / 1.000 ~ 400.0 $\mu$ inch          |
|                              | Rz        | 0.020 ~ 100 $\mu$ m / 0.780 ~ 4000 $\mu$ inch          |
| Accuracy                     |           | $\leq \pm 10\%$                                        |
| Resolution                   |           | 0.001 $\mu$ m (Reading <10 $\mu$ m)                    |
|                              |           | 0.01 $\mu$ m (10 $\mu$ m $\leq$ reading < 100 $\mu$ m) |
|                              |           | 0.1 $\mu$ m (reading $\geq$ 100 $\mu$ m)               |
| Fluctuation of display value |           | $\leq 6\%$                                             |
| Driving Speed                | Measuring | Vt=0.135mm/s (Sampling Length=0.25mm)                  |
|                              |           | Vt=0.5mm/s (Sampling Length=0.8mm)                     |
|                              |           | Vt=1mm/s (Sampling Length=2.5mm)                       |
|                              | Returning | VT=1mm/s                                               |
| Pickup measurement range     |           | $\pm 80\mu$ m                                          |

|                         |                     |
|-------------------------|---------------------|
| Evaluation length       | 1 ~ 5L (Selectable) |
| Metric / Imperial       | Conversion          |
| Built in Li-ion battery | Rechargeable        |
| Dimension               | 140 x 52 x 48mm     |
| Net weight              | 420g                |

**Specification for Sensor:**

|                                 |                        |
|---------------------------------|------------------------|
| Radius                          | 10μm                   |
| Material                        | Diamond                |
| Measuring force                 | 16mN (0.4gf)           |
| Probe angle                     | 90°                    |
| Vertical radius of guiding head | 48mm                   |
| Maximum driving stroke          | 17.5mm / 0.7inch       |
| Cut off length                  | 0.25mm   0.8mm   2.5mm |

**Standard Accessories:**

|                       |                                   |
|-----------------------|-----------------------------------|
| Standard Sensor       | 1                                 |
| Standard Sample Plate | 1                                 |
| Power Adapter         | 1                                 |
| Carry Case            | 1                                 |
| Operation Manual      | 1                                 |
| Screwdriver           | 1                                 |
| Adjustable leg        | 1                                 |
| Sensor Protector      | 1                                 |
| Optional Accessories  | Cable and software for RS-232/USB |
|                       | Extension Rod                     |
|                       | SRP-110 Groove Stylus             |
|                       | SRP-120 Curvature Probe           |
|                       | SRS-1 Measurement Stand           |