



Surface Roughness Tester model SRT-6200

Features:



- Applicable in production site, laboratory and workshop in factory
- Easy operation menu and large LCD display
- Compatible with four standards, ISO, DIN, ANSI and JIS
- The sensor sliding along the surface by driving the mechanism
- Highly sophisticated inductance sensor
- The exclusive DSP processes to outputs the measurement results on LCD.
- Manual or automatic shut down
- Circuit with high capacity
- Small in size, light in weight and easy to use
- Can communicate with PC computer for statistics

Technical Specification:

| | |
|---------------------------------------|--|
| Multiple parameter measurement | Ra, Rz |
| filtering methods | RC, PC-RC, GAUSS and D-P |
| Power | Built-in lithium ion rechargeable battery |
| Data output | communicate with PC through RS232C interface |
| Auto swift off | Yes |
| Store memory | 0 groups of measurement |
| Metric /Imperial | Conversion |
| Display | 4 digits, LCD, with blue backlight |
| Measuring Range | Ra: 0.05-10.00 um / 1.000-400.0 uinch Rz: 0.020-100.0 um / 0.780-4000 uinch |
| Accuracy | <=10% |
| Repeapility | <= 6% |
| Sensor | Principle: Inductance type Radius of Probe Pin: 10 um Material of Probe Pin: Diamond Measurement Force of Probe: 16 mN (1.6 kgf) Vertical Radius of Guiding Head: 48mm |
| Maximum driving stroke | 17.5 mm / 0.7 inch |
| Cutoff length | 0.25 mm / 0.8 mm / 2.5 mm optional |
| Evaluation length | 1-5 cut-off optional |
| Sampling length | 0.25 mm / 0.8 mm / 2.5 mm |
| Resolution | 0.001µm : reading < 10µm; 0.01µm: 10µm ≤ reading < 100µm 0.1µm: reading ≥ 100µm |
| Power Li-ion battery: | rechargeable |
| Operating conditions | Temp. 0~50°C / Humidity <80% |
| Size | 140 x 57 x 48 mm (5.5 x 2.2 x 1.9 inch) |
| Weight | 420 g |

Optional parts and spare parts: Probe for deep grooves / Probe curved surface/ Probe of standard Extension rod/ Testing platform/ Testing piece/ Software and cable