Surface Roughness Gauge

New!

Technical Specifications:
- Measures flat, Inside and Outside Diameters
- Measures grooves and recessions: wider than 0.16 in (4mm)
- Roughness parameters: Ra, Rz, Rq, Rt, Rs, Rsm, Rmax, Rpc, Rmr
- Roughness standards: ISO/DIN/JIS/ANSI
- Display resolutions: 0.01 μm/+/-20 μm | 0.02 μm/+/-40 μm | 0.04 μm/+/-80 μm
- Measuring accuracy: ≤±10%
- Repeatability: Less than or equal to 6%
- Measuring range: Ra, Rq: 0.01-40 μm
  Rz, Rt, Rm: 0.02-160 μm
- Maximum drive range: 0.7 in (17.5 mm)
- Cut-off length: 0.009/0.03/0.09 inch (0.25/0.8/2.5 mm)
- Tracing speeds: speed 1 mm/s (sampling length 2.5 mm)
  speed 0.5 mm/s (sampling length 0.8 mm)
  speed 0.135 mm/s (sampling length 0.25 mm)
- Sensor: Inductance type
- Sensor-stylus: Diamond, radius 5 μm
- Pick up Force: <4 mN
- Filter: RC, PC-RC, GAUSSIAN, D-P
- Data output: USB
- Operating temperature: 41°F-104°F (5°C-40°C)
- Weight: 0.97 lb (440 g)
- Dimensions: (119 x 47 x 65 mm)
- Power: Li-ion rechargeable battery
- Auto shut-off

Optional Accessories:
1) Precision Support Stand
2) Deep Groove Stylus
3) Small Hole Stylus
4) Curved Surface Stylus
5) Stylus Extension
6) Data Output Software

SRG-4600 comes supplied with:
- Calibrated Reference Standard w/support plate
- Leveling plate
- Stylus protector
- A/C Adapter
- Rugged Carry case

Features:
- 9 Different roughness parameters
- Inside/Outside Diameters
- Stylus position indicator
- USB output to PC
- Large Memory

SRG-4600

The newest addition to our state-of-the-art surface roughness testers profilometer, the SRG-4500 will instill the highest level of confidence in your production, shop floor or QC lab. Extended memory and output coupled with multiple useful functions the SRG-4600 surface roughness tester profilometer is clearly the new leader in ultra accurate surface profile testing.
SRG-4600 Surface Roughness Gauge Accessories

**SRG4000-050**
Precision Support Stand
Can be used with either 4000, 4500, 4600 series roughness gauges.

**SRG4600-100**
Standard 5μm Stylus
For use on flat and slightly curved surfaces.

**SRG4600-300**
Small Hole Stylus
For use in small holes under 2mm diameter and max depth of 9mm.

**SRG4600-400**
Curved Surface Stylus
For use on curved surface with a minimum curvature radius of 3mm. Must be used with support stand.

**SRG4600-200**
Deep Groove Stylus
For use on deep grooves with min. width of 3mm and max depth of 10mm. Must be used with support stand.

**SRG4600-500**
2” Stylus Extension
Adds extra 2” reach for deeper applications.

**SRG4600-550**
5” Stylus Extension
Adds extra 2” reach for deeper applications.