

Pocket Surf® *

The portable surface roughness gage

*US-patent no. 4.776.212



More information see part Precision Gages.

Technical Data

Dimensions	140 mm x 76 mm x 25mm/ 5.5 in x 3 in x 1 in
Weight	435 g/14oz.
Measuring Ranges	<div>Ra 0.03 μm to 6.35 μm / 1 μin to 250 μin</div> <div>Ry 0.2 μm to 25.3 μm/8 μin to 999 μin</div> <div>Rmax 0.2 μm to 25.3 μm/8 μin to 999 μin</div> <div>Rz 0.2 μm to 25.3 μm/ 8 μin to 999 μin</div>
Display Resolution	0.01 μm /1 μin
Measurement Accuracy	Meets ASME-B46.1, ISO, DIN standards and MIL specifications
Digital Readout	LCD; with; „Battery low“ signal; „H“ and „L“ (measured values out-of-range)

Features

- Pocket-sized economically priced, completely portable instrument which performs traceable surface roughness measurements on a wide variety of surfaces; can be used confidently in production, on the shop floor and in the laboratory
- Solidly built, with a durable cast aluminum housing, to provide years of accurate, reliable surface finish gaging
- Can be used to measure any one of four, switch-selectable, parameters: Ra , Rmax/Ry , Rz
- Selectable traverse length 1, 3 or 5 cut-offs of 0.8 mm/.030 in
- Operates in any position – horizontal, vertical, and upside down
- Four switchable probe positions – axial (folded) or at 90°, 180° or 270°
- Even difficult-to-reach surfaces such as inside and outside diameters are accessible.
- Integrated data output for SPC-processing units that is compatible with the most common data processing systems
- Easy-to-read LCD readout presents the measured roughness value, in microinches or micrometers, within half a second after the surface is traversed
- Out-of-range (high or low) and “battery low” signals are also displayed

