

Product information

Mobile roughness measuring instrument MarSurf Pocket Surf IV

Product features

- Sturdy housing made of cast aluminum guarantees accurate and reliable measurement operation over many years
- Measurement of four selectable parameters: Ra, Rmax/Ry, Rz
- Reading of all the parameters after the measurement is completed
- Measuring length adjustable based on 1x, 3x or 5x the cutoff wavelength 0.8 mm/0.030"
- Can be implemented in any position – horizontal, vertical and upside down
- Four locking probe positions – axial or at 90°, 180°, or 270° angle
- Even difficult to reach surfaces on the inner and outer diameters are accessible
- MarConnect data output for simple data transmission, compatible with standard data recording systems
- Easy to read LCD displays the measured roughness parameters in μm or μinch immediately after scanning the surface
- Messages indicating when ranges exceed or fall below a limit and a battery warning symbol are also displayed
- Simplified calibration process
- Improved battery life with easy to replace 9V battery



Item no.: 2191800

Technical data

Measuring principle	Skid probe system
Unit of measurement	metrisch/inch
Measuring force (N)	15 mN
Number n of sampling length according to ISO/JIS	Selected: 1 - 5
positioning speed X-axis max.	1 mm/s
Positioning speed X axis	till 1 mm/s
Data interface	RS-232C, USB
Probe	Piezoelectric skid probe
Weight (gross)	1.03 KG
Dimensions in mm	140 x 76 x 6.35 mm
Stylus	10 μm / .0004"
Parameters	Ra, Ry, Rmax, Rz
Rechargeable batteries	Battery, 9V
Measuring range mm	Ra - 6.35 μm / 250 Ry, Rmax, Rz - 25.3 μm / 999 μin
Profile resolution	0.01 μm / 1 μin

Application

- Pocket-sized, economically priced, completely portable instrument
- 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

Dimensions

Dimensions in mm	140 x 76 x 6.35 mm
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Accessories

Order no.	Designation	Product type
4346020	Data connection cable RS232C	2000 r
4346023	Data connection cable USB	2000 USB