MarSurf Pocket Surf IV

Mobile Roughness Measuring Instrument

FEATURES

- Durable cast aluminum housing provides years of accurate and reliable measuring operations
- Can be used to measure four selectable parameters: Ra, Rmax/Ry, Rz
- Review all parameters after the measurement is complete
- Adjustable measuring length based on 1, 3 or 5 times the cutoff wavelength of 0.8 mm/0.030"
- Operates in any position – horizontal, vertical, and upside down
- Four switchable probe positions – axial or at an angle of 90°, 180° or 270°
- Even difficult to reach surfaces such as inside and outside diameters are accessible
- MarConnect data output for easy data transfer that is compatible with standard data processing systems
- Easy to read LCD presents the measured roughness value in µm or µinch immediately after scanning
- Out of range (high or low) and 'low battery' signals are also displayed
- Simplified calibration process
- Improved battery life with 9V battery that is easy to replace

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

TECHNICAL DATA

Order no.		2191800	2191802
Product type		Pocket Surf IV	
Parameters		Ra, Ry, Rmax, Rz	
Stylus		10 µm /.0004"	5 µm / .0002"
Data interface:		RS232C, USB	
Rechargeable batteries		Battery, 9V	
H x W x D	mm	140 x 76 x 6.35 mm	
Weight	kg	1.03	
Measuring principle		Skid probe system	
Probe		Piezoelectric skid probe	
Measuring range	mm	Ra –6.35 µm / 250 Ry, Rmax, Rz –25.3 µm / 999 µin	Ra –6.35 µm / 250 Ry, Rmax, Rz –25.3 µm / 999 µin
Profile resolution		0.01 µm / 1 µin	
Number n of sampling length according to ISO/JIS		Selected: 1 –5	
Measuring force	N	15 mN	

ACCESSORIES

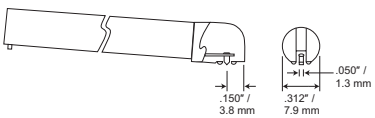
Order no.	Description	Type
2008010	General purpose probe, 10µm/90°	EGH–1019
2008012	Transverse chisel probe, 10 µm	EGH–1020-W1
2008013	Parallel chisel probe, 10 µm	EGH–1020-W2
2008014	Small bore probe, 10µm/90°	EGH–1021
2008011	General purpose probe, 5µm/90°	EGH–1026
2008015	Small bore probe, 5µm/90°	EGH–1027
2008016	Groove bottom probe, 10µm/90°	EGH–1028
2008024	Compact height stand	EAS–2496
2008025	Universal stand	EAS–2426
2008026	Column clamp for EAS–2426	EAS–2567
2008027	Adapter plate	EPL–1681
2008023	Portable V-fixture	EAS–2421
2008022	Bottom plate	EAS–2584
2008021	Bore adapter kit	EAS–2839
2008020	V-adapter kit	EAS–2739
2223604	Certified specimen, incl. test certificate	PMD–90101
2008031	Precision reference specimen, without certificate	EMD–90010
4346023	Data connection cable USB	
4346020	Data connection cable RS232C	

EAS–2584

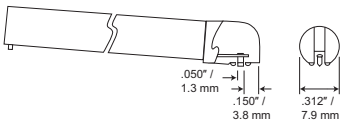
EAS–2839

EAS–2739

EAS–2421



EGH–1020-W1



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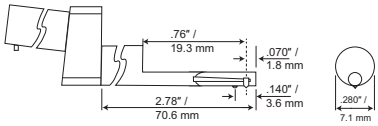
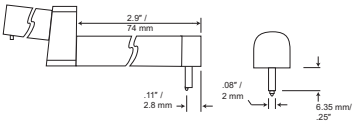
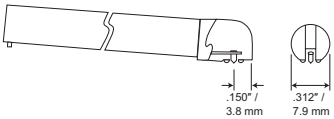


EGH–1021;EGH–1027



EGH–1028



EGH–1019;EGH–1026