

Mobile Roughness Measuring Instrument MarSurf Pocket Surf IV



Application:

A 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.

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		

- Durable cast aluminum housing to provide years of accurate and reliable surface finish gaging
- Can be used to measure any one of four, selectable, parameters: Ra, Rmax/Ry, Rz
- Review any of the parameters after the measurement is complete
- Selectable traverse length 1, 3 or 5 cut-offs of 0.8 mm/0.030"
- 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
- MarConnect data output for easy SPC processing that is compatible with the most common data processing systems
- Easy-to-read LCD readout presents the measured roughness value, in micro inches or micro-meters, within half a second after the surface is traversed
- Out-of-range (high or low) and "low battery" signals are displayed
- Improved digital calibration process eliminates scandrivers and potentiometers to simplify and enhance the calibration process
- Improved battery life with easy to replace standard 9V battery

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Accessories

Order no.	Product description	Product type
2008010	General purpose probe, 10µm/90°	EGH-1019
2213247	Transverse chisel probe, 10 µm	EGH-1020-W1
2213248	Parallel chisel probe, 10 µm	EGH-1020-W2
2213249	Small bore probe, 10µm/90°	EGH-1021
2213250	General purpose probe, 5µm/90°	EGH-1026
2213251	Small bore probe, 5µm/90°	EGH-1027
2213252	Groove bottom probe, 10µm/90°	EGH-1028
2008024	Compact height stand	EAS-2496
2008025	Universal Stand	EAS-2426
2008026	Column clamp and bracket 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
2008030	Certified specimen, incl. test certificate	PMD-90101
2008031	Precision reference specimen, without certificate	EMD-90010
4102357	Data Connection Cable USB	16 EXu
4102410	Data Connection Cable RS232C	16 EXr
4102212	Software interface	MarCom Prof. 5.1
2238983	Certified reference specimen, double patch, 0,4 µm / 16 u" - 3,0 µm / 118 u", certified for Ra, Rz, Rmax, and Sm	
2008143	Certified Reference specimen, sinusoidal, single patch, certified for Ra 3,0 / 118 u", Rz 9,75 µm / 386 u" and Rmax 9,8 µm / 386 u"	



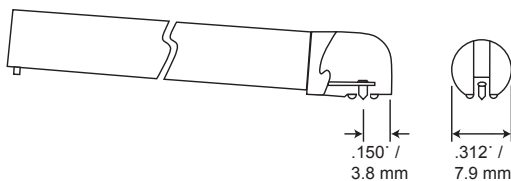
EAS-2421



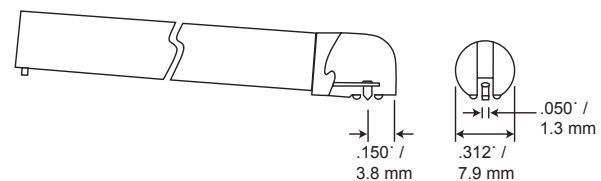
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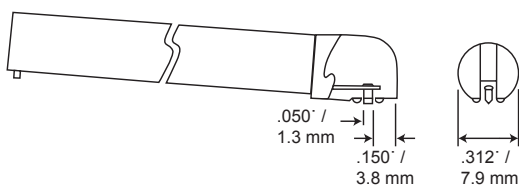
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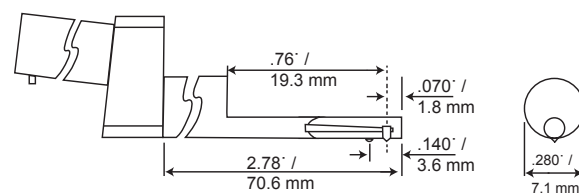
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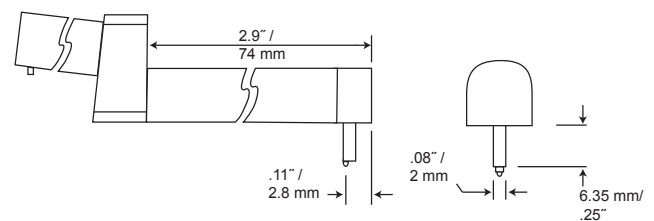
EGH-1020



EGH-1020W2



EGH-1023



EGH-1028