

Model Number RHM240A02	UNIAXIAL STRAIN SENSOR				Revision: A ECN #: 45631
Performance	ENGLISH	SI			OPTIONAL VERSIONS
Sensitivity(± 20 %)	50 mV/με	50 mV/με			Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used. W - Water Resistant Cable
Measurement Range	100 pk με	100 pk με	[2]		
Frequency Range(-5 %)	0.004 Hz	0.004 Hz	[3]		
Broadband Resolution(1 to 10,000 Hz)	0.0002 με	0.0002 με	[1]		
Non-Linearity	≤ 2 %	≤ 2 %	[4]		
Environmental					
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C	[1]		
Electrical					NOTES:
Excitation Voltage	20 to 30 VDC	20 to 30 VDC			[1]Typical.
Constant Current Excitation	2 to 20 mA	2 to 20 mA			[2]Based on 10 mV/με sensitivity.
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC			[3]Calculated from discharge time constant.
Discharge Time Constant	≥ 150 sec	≥ 150 sec			[4]Zero-based, least-squares, straight line method.
					[5]See PCB Declaration of Conformance PS023 for details.
Physical					SUPPLIED ACCESSORIES:
Sensing Element	Quartz	Quartz			Model M081A100 M6 x 1.00 flathead screw (1)
Housing Material	Stainless Steel	Stainless Steel			
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack			
Electrical Connection Position	Side	Side			
Sealing	Epoxy	Epoxy			
Mounting Torque	7.38 ft-lb	10 Nm			
Size (Width x Length x Height)	0.67 in x 1.81 in x 0.6 in	17 mm x 46 mm x 15.2 mm			
Weight	1.6 oz	45 gm	[1]		
 [5] All specifications are at room temperature unless otherwise specified. In the interest of constant product improvement, we reserve the right to change specifications without notice. ICP® is a registered trademark of PCB Group, Inc.					Entered: LK
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					Sales: WDC
					Approved: APB
					Spec Number:
					Date: 7/8/2016
					Date: 7/8/2016
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