



Model Number RHM240M40	UNIAXIAL ICP® STRAIN SENSOR W/ INTEGRAL CABLE			Revision: NR ECN #: 43050
Performance	ENGLISH	SI		OPTIONAL VERSIONS Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.
Sensitivity(± 20 %)	10 mV/με	10 mV/με		
Measurement Range	300 pk με	300 pk με	[2]	NOTES: [1] Typical. [2] Based on 10 mV/με sensitivity. [3] Calculated from discharge time constant. [4] Zero-based, least-squares, straight line method. [5] See PCB Declaration of Conformance PS023 for details.
Frequency Range(-5 %)	.004 Hz	.004 Hz	[3]	
Broadband Resolution(1 to 10,000 Hz)	.001 nε	.001 nε	[1]	
Non-Linearity	≤ 2 %	≤ 2 %	[4]	
Environmental				SUPPLIED ACCESSORIES: Model M081A100 M6 x 1.00 flathead screw (1)
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C	[1]	
Electrical				
Excitation Voltage	20 to 30 VDC	20 to 30 VDC		
Constant Current Excitation	2 to 20 mA	2 to 20 mA		
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC		
Discharge Time Constant	≥ 150 sec	≥ 150 sec		
Electrical Isolation	≥ 10 ⁸ Ohm	≥ 10 ⁸ Ohm		
Physical				
Sensing Element	Quartz	Quartz		
Housing Material	Stainless Steel	Stainless Steel		
Sealing	Epoxy	Epoxy		
Size (Width x Length x Height)	.67 in x 1.725 in x .60 in	17 mm x 43.8 mm x 15 mm	[1]	
Weight(without cable)	2.0 oz	58 gm		
Electrical Connector	Integral Cable	Integral Cable		
Electrical Connection Position	Side	Side		
Mounting	Through Hole	Through Hole		
Mounting Torque	7.38 ft-lb	10 Nm		
				
<p>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. This model, designated with an RH prefix, is RoHS compliant. For further details, and to obtain PCB's RoHS Statement of Conformance, please visit http://www.pcb.com</p>				
			Entered: AP	Engineer: GD
			Date: 7/22/2014	Date: 7/22/2014
			Sales: KWW	Approved: BAM
			Date: 7/22/2014	Spec Number:
			58626	
			 3425 Walden Avenue, Depew, NY 14043	
			Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com	



Represented in India by

Structural Solutions Pvt Ltd. | Phone: 040 2322 2380 | Email: sales@stsols.com

#4th Floor, Sudheer Tapani Towers, Himayath Nagar, Hyderabad - 500 029