Model Number RHM240M40	UNIAXIAL ICP® STRAIN SENSOR W/ INTEGRAL CABLE	Revision: A ECN #: 54044

Performance	ENGLISH	SI	
Sensitivity(± 20 %)	10 mV/με	10 mV/με	
Measurement Range	300 pk με	300 pk με	[1]
Frequency Range(- 5 %)	.004 Hz	.004 Hz	[2]
Broadband Resolution(1 to 10,000 Hz)	.001 nε	.001 nε	[3]
Non-Linearity	≤ 2 %	≤ 2 %	[4]
Environmental			
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C	[3]
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	
Weight(without cable)	2.0 oz	58 gm	[3]
Electrical Connector	Integral Cable	Integral Cable	
Electrical Connection Position	Side	Side	
Mounting	Through Hole	Through Hole	
Mounting Torque	7.38 ft-lb	10 Nm	

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.

NOTES:

[1]Based on 5 mV/με sensitivity.
[2]Calculated from discharge time constant.
[3]Typical.
[4]Zero-based, least-squares, straight line method.

SUPPLIED ACCESSORIES:

Model 080A82 Assembly Lubricant
Model M081A100 M6 x 1.00 flathead screw (1)

Entered: ND	Engineer: RPF	Sales: BS	Approved: RPF	Spec Number:
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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.
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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