

Model Number 603M113	INDUSTRIAL ACCELEROMETER			Revision: B ECN #: 26421
Performance	ENGLISH	SI		OPTIONAL VERSIONS
Sensitivity(± 20 %)	100 mV/g	10.2 mV/(m/s ²)	[2]	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.
Measurement Range	± 20 g	± 196 m/s ²		
Frequency Range(± 3 dB)	96 to 600,000 cpm	1.6 to 10,000 Hz	[3]	
Resonant Frequency	1500 kcpm	25 kHz	[1]	
Broadband Resolution(1 to 10,000 Hz)	1.5 mg	15 mm/s ²	[1]	
Non-Linearity	± 1 %	± 1 %	[4]	
Transverse Sensitivity	≤ 7 %	≤ 7 %		
Environmental				
Overload Limit(Shock)	5000 g pk	49,050 m/s ² pk		
Temperature Range	-65 to +250 °F	-54 to +121 °C		
Temperature Response	See Graph	See Graph	[1]	
Enclosure Rating	IP68	IP68		
Electrical				
Settling Time(within 1% of bias)	≤ 5.0 sec	≤ 5.0 sec		NOTES: [1] Typical. [2] Conversion Factor 1g = 9.81 m/s ² . [3] The high frequency tolerance is accurate within ±10% of the specified frequency. [4] Zero-based, least-squares, straight line method. [5] 1/4-28 has no equivalent in S.I. units.
Discharge Time Constant	≥ 0.1 sec	≥ 0.1 sec		
Excitation Voltage	3 to 12 VDC	3 to 12 VDC		
Output Impedance	<100 ohm	<100 ohm		
Output Bias Voltage	1.5 to 6.0 VDC	1.5 to 6.0 VDC		
Spectral Noise(10 Hz)	18 µg/√Hz	176.6 (µm/s ²)/√Hz	[1]	
Spectral Noise(100 Hz)	4 µg/√Hz	39.2 (µm/s ²)/√Hz	[1]	
Spectral Noise(1 kHz)	2 µg/√Hz	19.6 (µm/s ²)/√Hz	[1]	
Electrical Isolation(Case)	>10 ⁸ ohm	>10 ⁸ ohm		
Physical				
Size (Hex x Height)	11/16 in x 1.86 in	18 mm x 47.2 mm		
Weight	2.0 oz	56.7 gm		
Mounting Thread	1/4-28 Female	No Metric Equivalent	[5]	
Mounting Torque	2 to 5 ft-lb	2.7 to 6.8 N-m		
Sensing Element	Ceramic	Ceramic		
Sensing Geometry	Shear	Shear		
Housing Material	Stainless Steel	Stainless Steel		
Sealing	Welded Hermetic	Welded Hermetic		
Electrical Connector	3-Pin MIL-C-5015	3-Pin MIL-C-5015		
Electrical Connection Position	Top	Top		
Electrical Connections(Pin A)	Pos (+) Power	Pos (+) Power		
Electrical Connections(Pin B)	Ground	Ground		
Electrical Connections(Pin C)	Signal	Signal		
Typical Sensitivity Deviation vs Temperature				
<i>All specifications are at room temperature unless otherwise specified.</i> <i>In the interest of constant product improvement, we reserve the right to change specifications without notice.</i> ICP® is a registered trademark of PCB Group, Inc.				
SUPPLIED ACCESSORIES: Model 081A40 Mounting Stud Model ICS-2 NIST-traceable single-axis single-point amplitude response calibration at 6000 cpm (100 Hz) (1)				
Entered: <i>SA</i>	Engineer: <i>MSB</i>	Sales: <i>AS</i>	Approved: <i>NR</i>	Spec Number:
Date: <i>5-8-07</i>	Date: <i>5/9/07</i>	Date: <i>5-9-07</i>	Date: <i>5/9/07</i>	34081
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