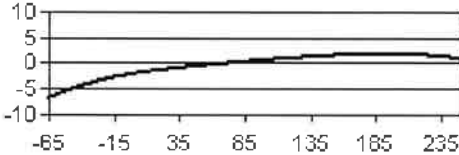


Model Number	INDUSTRIAL ICP® ACCELEROMETER			Revision: NR ECN #:										
622B11														
Performance	ENGLISH	SI		OPTIONAL VERSIONS										
Sensitivity(± 5 %)	100 mV/g	10.2 mV/(m/s²)	[2]	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.										
Measurement Range	± 50 g	± 490 m/s²												
Frequency Range(± 5 %)	35 to 360,000 cpm	0.58 to 6000 Hz	[3]											
Frequency Range(± 10 %)	25 to 600,000 cpm	0.42 to 10,000 Hz												
Frequency Range(± 3 dB)	12 to 900,000 cpm	0.2 to 15,000 Hz		M - Metric Mount										
Resonant Frequency	1800 kcpm	30 kHz	[1]	Supplied Accessory : Model M081A61 Mounting Stud 1/4-28 to M6 X 1 (1)										
Broadband Resolution(1 to 10,000 Hz)	50 µg	490 µm/s²	[1]											
Non-Linearity	± 1 %	± 1 %	[4]											
Transverse Sensitivity	≤ 5 %	≤ 5 %												
Environmental														
Overload Limit(Shock)	5000 g pk	49,050 m/s² pk												
Temperature Range	-65 to +250 °F	-54 to +121 °C												
Temperature Response	See Graph	See Graph	[1]											
Enclosure Rating	IP68	IP68												
Electrical				NOTES:										
Settling Time(within 1% of bias)	≤ 5.0 sec	≤ 5.0 sec		[1] Typical.										
Discharge Time Constant	≥ 0.8 sec	≥ 0.8 sec		[2] Conversion Factor 1g = 9.81 m/s².										
Excitation Voltage	18 to 28 VDC	18 to 28 VDC		[3] The high frequency tolerance is accurate within ±10% of the specified frequency.										
Constant Current Excitation	2 to 20 mA	2 to 20 mA		[4] Zero-based, least-squares, straight line method.										
Output Impedance	<100 ohm	<100 ohm		[5] 1/4-28 has no equivalent in S.I. units.										
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC		[6] Twisted shielded pair.										
Spectral Noise(10 Hz)	4.0 µg/√Hz	39.2 (µm/s²)/√Hz	[1]	[7] See PCB Declaration of Conformance PS023 for details.										
Spectral Noise(100 Hz)	0.8 µg/√Hz	7.85 (µm/s²)/√Hz	[1]											
Spectral Noise(1 kHz)	0.4 µg/√Hz	3.92 (µm/s²)/√Hz	[1]											
Electrical Isolation	>10 ⁸ ohm	>10 ⁸ ohm												
Electrical Protection	RF/ESD	RF/ESD												
Physical														
Size (Hex x Height)	7/8 in x 2.06 in	22 mm x 52.3 mm												
Weight(without cable)	3.3 oz	94 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												
Cable Length	10 ft	3 m												
Cable Type	Polyurethane	Polyurethane	[6]											
 [7] Typical Sensitivity Deviation vs Temperature  Sensitivity Deviation(%) Temperature (°F)														
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.														
 IMI SENSORS A PCB PIEZOTRONICS DIV. 3425 Walden Avenue, Depew, NY 14043 Phone: 800-959-4464 Fax: 716-684-3823 E-Mail: imi@pcb.com														
<table><tr><td>Entered: <i>ZH</i></td><td>Engineer: <i>SSD</i></td><td>Sales: <i>BSJ</i></td><td>Approved: <i>MW</i></td><td>Spec Number:</td></tr><tr><td>Date: <i>7-17-07</i></td><td>Date: <i>8/10/07</i></td><td>Date: <i>8/15/07</i></td><td>Date: <i>8/13/07</i></td><td>37834</td></tr></table>					Entered: <i>ZH</i>	Engineer: <i>SSD</i>	Sales: <i>BSJ</i>	Approved: <i>MW</i>	Spec Number:	Date: <i>7-17-07</i>	Date: <i>8/10/07</i>	Date: <i>8/15/07</i>	Date: <i>8/13/07</i>	37834
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