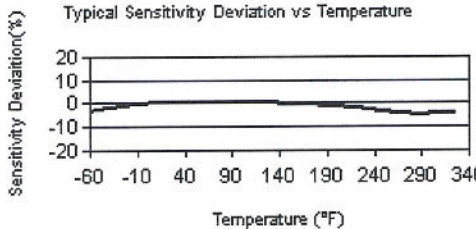


Model Number HT602D61		INDUSTRIAL ICP® ACCELEROMETER		Revision: NR ECN #: 36093	
Performance		ENGLISH		SI	
Sensitivity(± 10 %)		100 mV/g		10.2 mV/(m/s²) [2]	
Measurement Range		± 50 g		± 490 m/s²	
Frequency Range(± 3 dB)		48 to 480,000 cpm		0.8 to 8000 Hz [3][4]	
Resonant Frequency		1500 kcpm		25 kHz [1]	
Broadband Resolution(1 to 10 kHz)		150 µg		1472 µm/sec² [1]	
Non-Linearity		± 1 %		± 1 % [5]	
Transverse Sensitivity		≤ 5 %		≤ 5 %	
Environmental					
Overload Limit(Shock)		5000 g pk		49,050 m/s² pk	
Temperature Range		-65 to 325 °F		-54 to 162 °C	
Temperature Response		See Graph		See Graph [1]	
Enclosure Rating		IP67		IP67	
Electrical					
Settling Time(within 1% of bias)		≤ 2.0 sec		≤ 2.0 sec	
Discharge Time Constant		≥ 0.2 sec		≥ 0.2 sec	
Excitation Voltage		18 to 28 VDC		18 to 28 VDC	
Constant Current Excitation		2 to 20 mA		2 to 20 mA	
Output Impedance		<150 ohm		<150 ohm	
Output Bias Voltage		8 to 12 VDC		8 to 12 VDC	
Spectral Noise(10 Hz)		9.0 µg/√Hz		88.3 (µm/sec²)/√Hz [1]	
Spectral Noise(100 Hz)		4.0 µg/√Hz		39.2 (µm/sec²)/√Hz [1]	
Spectral Noise(1 kHz)		2.0 µg/√Hz		19.6 (µm/sec²)/√Hz [1]	
Electrical Isolation		>10⁸ ohm		>10⁸ ohm	
Physical					
Size (Length x Width x Height)		2.1 in x 1.0 in x 1.0 in		53.3 mm x 25.4 mm x 25.4 mm	
Weight(without cable)		5.4 oz		153 gm	
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	
Electrical Connector		Integral Armored Cable		Integral Armored Cable	
Electrical Connection Position		Side		Side	
Cable Termination		Blunt cut		Blunt cut	
Electrical Connections(White)		Signal / Power		Signal / Power	
Electrical Connections(Black)		Ground		Ground	
Cable Length		10 ft		3.0 m	
Cable Type		055 2-cond shielded with FEP jacket in 5/16" armor		055 2-cond shielded with FEP jacket in 5/16" armor	
 [6] Typical Sensitivity Deviation vs Temperature 					
<i>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.</i> 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					
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. M - Metric Mount Supplied Accessory : Model M081A73 Mounting Bolt M6 x 1.00 (1)					
NOTES: [1] Typical. [2] Conversion Factor 1g = 9.81 m/s². [3] The high frequency tolerance is accurate within ±10% of the specified frequency. [4] 1Hz = 60 cpm (cycles per minute). [5] Zero-based, least-squares, straight line method. [6] See PCB Declaration of Conformance PS023 for details.					
SUPPLIED ACCESSORIES: Model 081A73 Captive mounting bolt 1/4-28 x 1.34" (1)					
Entered: <i>Bmw</i>		Engineer: <i>BJO</i>		Sales: <i>DAC</i>	
Date: <i>6/27/11</i>		Date: <i>6/27/11</i>		Date: <i>6/27/11</i>	
Approved: <i>BAM</i>		Spec Number:		50107	