
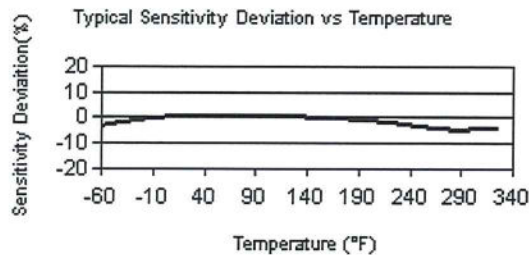



Model Number HT602D01		INDUSTRIAL ICP® ACCELEROMETER		Revision: NR ECN #: 35755	
Performance		ENGLISH		SI	
Sensitivity(± 10 %)		100 mV/g		10.2 mV/(m/s²) [2]	
Measurement Range		± 50 g		± 490 m/s²	
Frequency Range(± 10 %)		102 to 180,000 cpm		1.7 to 3000 Hz [3][4]	
(± 3 dB)		48 to 480,000 cpm		0.8 to 8000 Hz	
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		IP68		IP68	
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]	
(100 Hz)		4.0 µg/√Hz		39.2 (µm/sec²)/√Hz [1]	
(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		5.4 oz		153 gm	
Mounting Thread		1/4-28 UNF		No Metric Equivalent [6]	
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		2-Pin MIL-C-5015		2-Pin MIL-C-5015	
Electrical Connection Position		Side		Side	
Electrical Connections(Pin A)		Signal / Power		Signal / Power	
(Pin B)		Ground		Ground	
 [7]					
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] 1Hz = 60 cpm (cycles per minute).					
[4] The high frequency tolerance is accurate within ±10% of the specified frequency.					
[5] Zero-based, least-squares, straight line method.					
[6] 1/4-28 has no equivalent in S.I. units.					
[7] See PCB Declaration of Conformance PS023 for details.					
SUPPLIED ACCESSORIES:					
Model 081A73 Captive mounting bolt 1/4-28 x 1.34" (1)					
Entered: <i>LH</i>		Engineer: <i>PORT</i>		Sales: <i>LB</i>	
Date: <i>5-16-11</i>		Date: <i>5-9-11</i>		Date: <i>5-9-11</i>	
Approved: <i>SAM</i>		Spec Number:		49969	
 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					

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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