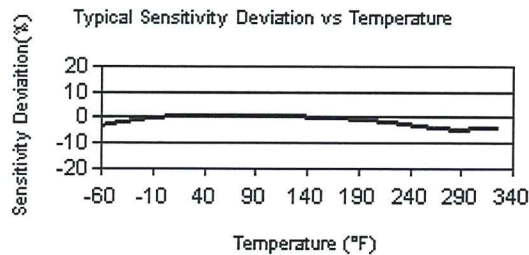


Model Number HT602D01		INDUSTRIAL ICP® ACCELEROMETER			Revision: NR ECN #: 35755	
Performance		ENGLISH	SI		OPTIONAL VERSIONS	
Sensitivity(± 10 %)		100 mV/g	10.2 mV/(m/s²)	[2]	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used. M - Metric Mount Supplied Accessory : Model M081A73 Mounting Bolt M6 x 1.00 (1)	
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		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.	
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) (Pin B)		Signal / Power Ground	Signal / Power Ground			
 [7]						
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.						
		3425 Walden Avenue, Depew, NY 14043		Phone: 800-959-4464 Fax: 716-684-3823 E-Mail: imi@pcb.com		
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		

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.