
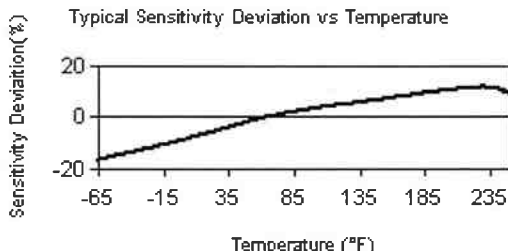





Model Number 606B61	INDUSTRIAL ICP® ACCELEROMETER			Revision: C ECN #: 26068
Performance	ENGLISH	SI		OPTIONAL VERSIONS
Sensitivity(± 20 %)	100 mV/g	10.2 mV/(m/s²)	[2]	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used. EX - ATEX or ATEX and CSA Hazardous Area Approval Hazardous Area Approval EEx nL IIC T4, -40°C≤Tas121° C, II 3 G EEx nL IIC T4, -40°C≤Tas121° C, II 3 G Hazardous Area Approval EEx ia IIC T4, -40°C≤Tas121° C, II 1 G EEx ia IIC T4, -40°C≤Tas121° C, II 1 G Hazardous Area Approval CI I, Div I, Groups A, B, C, D; CI II, Div I, Groups E, F, G; CI III, Div I CI I, Div I, Groups A, B, C, D; CI II, Div I, Groups E, F, G; CI III, Div I Hazardous Area Approval CI I, Div 2, Groups A, B, C, D; ExnL IIC T4, AExnA IIC T4 CI I, Div 2, Groups A, B, C, D; ExnL IIC T4, AExnA IIC T4 Hazardous Area Approval Exia IIC T4, AExia IIC, T4 Exia IIC T4, AExia IIC, T4 M - Metric Mount Supplied Accessory : Model M081A68 Captive mounting bolt M6 x 1 (1) replaces Model 081A68
Measurement Range	± 50 g	± 490 m/s²		
Frequency Range(± 3 dB)	30 to 600,000 cpm	0.5 to 10,000 Hz	[3]	
Resonant Frequency	1500 kcpm	25 kHz	[1]	
Broadband Resolution(1 to 10,000 Hz)	350 µg	3434 µm/s²	[1]	
Non-Linearity	± 1 %	± 1 %	[4]	
Transverse Sensitivity	≤ 7 %	≤ 7 %		
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: [1] Typical. [2] Conversion Factor 1g = 9.81 m/s². [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. [6] Stainless steel armor jacket over twisted shielded pair. [7] See PCB Declaration of Conformance PS023 or PS060 for details.
Settling Time(within 1% of bias)	≤ 2.0 sec	≤ 2.0 sec		
Discharge Time Constant	≥ 0.3 sec	≥ 0.3 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)	8 µg/√Hz	78.5 (µm/s²)/√Hz	[1]	
Spectral Noise(100 Hz)	5 µg/√Hz	49.1 (µm/s²)/√Hz	[1]	
Spectral Noise(1 kHz)	4 µg/√Hz	39.2 (µm/s²)/√Hz	[1]	
Electrical Isolation(Case)	>10 ⁸ ohm	>10 ⁸ ohm		
Physical				SUPPLIED ACCESSORIES: Model 081A68 Captive mounting bolt 1/4-28 x .90" (1) Model ICS-2 NIST-traceable single-axis single-point amplitude response calibration at 6000 cpm (100 Hz) (1)
Size (Diameter x Height)	1.38 in x 1.00 in	35.1 mm x 25.4 mm		
Weight(without cable)	4.4 oz	124 gm		
Mounting	Through Hole	Through Hole		
Mounting Thread	1/4-28 Male	Not Applicable	[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	Integral Armored Cable	Integral Armored Cable		
Electrical Connection Position	Side	Side		
Cable Length	10 ft	3.0 m		
Cable Type	Polyurethane	Polyurethane	[6]	
<div><div> [7]</div><div></div></div>				
<div><div> </div><div><p>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.</p><div><div>IMI SENSORS A PCB PIEZOTRONICS DIV. 3425 Walden Avenue, Depew, NY 14043</div><div>Phone: 800-959-4464 Fax: 716-684-3823 E-Mail: imi@pcb.com</div></div></div></div>				
Entered: <i>JH</i>	Engineer: <i>JH</i>	Sales: <i>857</i>	Approved: <i>NS</i>	Spec Number:
Date: <i>3/20/07</i>	Date: <i>3/21/07</i>	Date: <i>3/21/07</i>	Date: <i>3/21/07</i>	15900