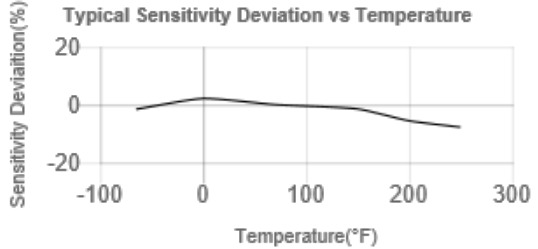


Model Number 604B91	INDUSTRIAL TRIAXIAL ICP® ACCELEROMETER				Revision: C ECN #: 56388
Performance	ENGLISH	SI			OPTIONAL VERSIONS
Sensitivity(± 20 %)	100 mV/g	10.2 mV/(m/s ²)	[1]		Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.
Measurement Range	± 50 g	± 490 m/s ²			EX - Hazardous Area Approval- contact factory for specific approvals
Frequency Range(± 3 dB)	30 to 300,000 cpm	0.5 to 5,000 Hz	[2]		M - Metric Mount Supplied Accessory: Model M081A68 Captive mounting bolt M6 x 1 (1)
Resonant Frequency	600 kcpm	10 kHz	[3]		TO - Temperature Output Temperature Output Range +36 to +250 °F +2 to +121 °C
Broadband Resolution(1 to 10,000 Hz)	350 µg	3,434 µm/sec ²	[3]		Temperature Scale Factor 5.56 mV/°F + 32 +10 mV/°C
Non-Linearity	± 1 %	± 1 %	[4]		Electrical Connector 5-Pin, M12 5-Pin, M12
Transverse Sensitivity	± 5 %	± 5 %			Weight 4.3 oz 122 gm
Environmental					
Overload Limit(Shock)	5,000 g pk	49,050 m/s ² pk			
Temperature Range	-65 to +250 °F	-54 to +121 °C			
Temperature Response	See Graph	See Graph	[3]		
Enclosure Rating	IP68	IP68			
Electrical					
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/sec ²)/√Hz	[3]		
Spectral Noise(100 Hz)	5 µg/√Hz	49.1 (µm/sec ²)/√Hz	[3]		
Spectral Noise(1 kHz)	4 µg/√Hz	39.2 (µm/sec ²)/√Hz	[3]		
Electrical Isolation(Case)	≥ 10 ⁸ Ohm	≥ 10 ⁸ Ohm			
Physical					
Size (Diameter x Height)	1.38 in x 1.00 in	35.1 mm x 25.4 mm			
Weight	4.2 oz	119 gm			
Mounting	Through Hole	Through Hole			
Mounting Thread	1/4-28 Male	1/4-28 Male	[5]		
Mounting Torque	2 to 5 ft-lb	2.7 to 6.8 Nm			
Sensing Element	Ceramic	Ceramic			
Sensing Geometry	Shear	Shear			
Housing Material	316L Stainless Steel	316L Stainless Steel			
Sealing	Welded Hermetic	Welded Hermetic			
Electrical Connector	4-Pin, M12	4-Pin, M12			
Electrical Connection Position	Side	Side			
 UK CA 					
 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 Piezotronics, Inc.					
 Phone: 800-959-4464 Fax: 716-684-3823 E-Mail: imi@pcb.com					
Entered: ND Engineer: NJF Sales: JL Approved: NJF Spec Number: Date: 04/20/2026 Date: 04/20/2026 Date: 04/20/2026 Date: 04/20/2026 67475					
Model 081A68 Captive mounting bolt 1/4-28 x .90" (1)					
3425 Walden Avenue, Depew, NY 14043					