

Model Number 604B11	LOW-COST TRIAXIAL INDUSTRIAL 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. M - Metric Mount Supplied Accessory: Model M081A68 Captive mounting bolt M6 x 1 (1)
Measurement Range		± 50 g	± 490 m/s ²		
Frequency Range(± 3 dB)		30 to 300,000 cpm	0.5 to 5,000 Hz		
Resonant Frequency		600 kcpm	10 kHz	[2]	
Broadband Resolution(1 to 10,000 Hz)		350 µg	3,434 µm/sec ²	[2]	
Non-Linearity		± 1 %	± 1 %	[3]	
Transverse Sensitivity		≤ 5 %	≤ 5 %		
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	[2]	
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	[2]	
Spectral Noise(100 Hz)		5 µg/√Hz	49.1 (µm/sec ²)/√Hz	[2]	
Spectral Noise(1 kHz)		4 µg/√Hz	39.2 (µm/sec ²)/√Hz	[2]	
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(without cable)		4.0 oz	113.3 gm		
Mounting Thread		1/4-28 UNF	Not Applicable	[4]	
Mounting Torque		2 to 5 ft-lb	2.7 to 6.8 Nm		
Sensing Element		Ceramic	Ceramic		
Sensing Geometry		Shear	Shear		
Housing Material		Stainless Steel	Stainless Steel		
Sealing		Welded Hermetic	Welded Hermetic		
Electrical Connector		Molded Integral Cable	Molded Integral Cable		
Electrical Connection Position		Side	Side		
Electrical Connections(Red)		X axis	X axis		
Electrical Connections(Green)		Y axis	Y axis		
Electrical Connections(White)		Z axis	Z axis		
Electrical Connections(Black)		Ground	Ground		
Cable Length		10 ft	3.0 m		
Cable Type		Polyurethane	Polyurethane	[5]	
Typical Sensitivity Deviation vs Temperature					
NOTES: [1] Conversion Factor 1g = 9.81 m/s ² . [2] Typical. [3] Zero-based, least-squares, straight line method. [4] 1/4-28 has no equivalent in S.I. units. [5] Twisted shielded 4-conductor cable. [6] See PCB Declaration of Conformance PS023 or PS098 for details. [7] See Model's "Instructions For Use" (IFU) for North American Conformity and Certification Statements.					
SUPPLIED ACCESSORIES: Model 081A68 Captive mounting bolt 1/4-28 x .90" (1) Model ACS-2T NIST Traceable Single Point Calibration at 100 Hz for Each Axis (1)					
Entered: ND	Engineer: NJF	Sales: JL	Approved: NJF	Spec Number:	
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