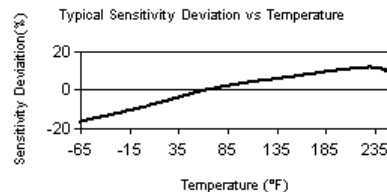


Model Number 606B01	LOW-COST INDUSTRIAL ICP® ACCELEROMETER			Revision D ECN #: 26068
Performance	ENGLISH	SI		Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)
Sensitivity (±20 %)	100 mV/g	10.2 mV/(m/s²)	[2]	EX - Hazardous Area Approval- contact factory for specific approvals
Measurement Range	±50 g	±490 m/s²		Hazardous Area Approval
Frequency Range (±3 dB)	30 to 600000 cpm	0.5 to 10000 Hz	[3]	Exia IIC T4, AExia IIC, T4
Resonant Frequency	1500 kcpm	25 kHz	[1]	Hazardous Area Approval
Broadband Resolution (1 to 10000 Hz)	350 µg	3434 µm/sec²	[1]	EEx nL IIC T4, - 40°C≤Ta≤121°C, II 3 G
Non-Linearity	±1 %	±1 %	[4]	EEx nL IIC T4, - 40°C≤Ta≤121°C, II 3 G
Transverse Sensitivity	≤7 %	≤7 %		Hazardous Area Approval
Environmental				EEx nL IIC T4, - 40°C≤Ta≤121°C, II 1 G
Overload Limit (Shock)	5000 g pk	49050 m/s² pk		Hazardous Area Approval
Temperature Range	-65 to +250 °F	-54 to +121 °C		CI I, Div I, Groups A, B, C, D; CI II, Div I, Groups E, F, G; CI III, Div I
Enclosure Rating	IP68	IP68		CI I, Div 2, Groups A, B, C, D; ExnL IIC T4, AExnA IIC T4
Electrical				M - Metric Mount
Settling Time (within 1% of bias)	≤2.0 sec	≤2.0 sec		Supplied Accessory: Model M081A68 Captive mounting bolt, 1/4-28 x 0.875" long (for Series 604, 605, and 606 accelerometers) replaces Model 081A68
Discharge Time Constant	≥0.3 sec	≥0.3 sec		Notes
Excitation Voltage	18 to 28 VDC	18 to 28 VDC		[1] Typical.
Constant Current Excitation	2 to 20 mA	2 to 20 mA		[2] Conversion Factor 1g = 9.81 m/s².
Output Impedance	<150 Ohm	<150 Ohm		[3] The high frequency tolerance is accurate within ±10% of the specified frequency.
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC		[4] Zero-based, least-squares, straight line method.
Spectral Noise (10 Hz)	8 µg/√Hz	78.5 (µm/sec²)/√Hz	[1]	[5] 1/4-28 has no equivalent in S.I. units.
Spectral Noise (100 Hz)	5 µg/√Hz	49.1 (µm/sec²)/√Hz	[1]	[6] See PCB Declaration of Conformance PS023 or PS060 for details.
Spectral Noise (1 kHz)	4 µg/√Hz	39.2 (µm/sec²)/√Hz	[1]	
Electrical Isolation (Case)	>10⁸ Ohm	>10⁸ Ohm		
Physical				Supplied Accessories
Size (Diameter x Height)	1.38 in x 1.00 in	35.1 mm x 25.4 mm		081A68 Captive mounting bolt 1/4-28 x .90" (1)
Weight	4.4 oz	124 gm		ICS-2 NIST-traceable single-axis single-point amplitude response calibration at 6000 cpm (100 Hz) (1)
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 Nm		
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		



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.

Entered: LLH	Engineer: JEC	Sales: EGY	Approved: NJF	Spec Number:
Date: 03/20/2007	Date: 03/21/2007	Date: 03/21/2007	Date: 03/21/2007	13267



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