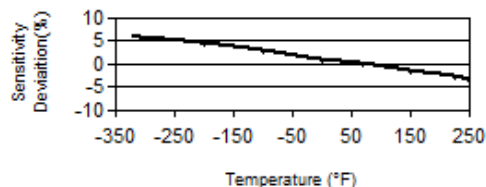


Model Number 637A06		INDUSTRIAL ICP® ACCELEROMETER			Revision: NR ECN #: 48898	
Performance		ENGLISH	SI		OPTIONAL VERSIONS	
Sensitivity(± 10 %)		25 mV/g	2.54 mV/(m/s²)	[2]	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used. M - Metric Mount Supplied Accessory : Model M081A61 Mounting Stud 1/4-28 to M6 X 1 (1) replaces Model 081A40	
Measurement Range		± 200 g	± 1962 m/s²			
Frequency Range(± 5 %)		600 to 24,000 cpm	10 to 400 Hz	[3]		
Frequency Range(± 3 dB)		240 to 90,000 cpm	4 to 1500 Hz			
Filter Type		Low Pass	Low Pass			
Electrical Filter Corner Frequency		1.5 kHz	1.5 kHz			
Electrical Filter Roll-off		12 dB/octave	12 dB/octave			
Resonant Frequency		≥ 1200 kcpm	≥ 20 kHz	[1]		
Broadband Resolution(1 to 10,000 Hz)		1 mg rms	0.01 m/s² rms	[1]		
Non-Linearity		± 1 %	± 1 %	[4]		
Transverse Sensitivity		≤ 5 %	≤ 5 %			
Environmental					NOTES: [1] Typical. [2] Conversion Factor 1g = 9.81 m/s². [3] 1Hz = 60 cpm (cycles per minute). [4] Zero-based, least-squares, straight line method. [5] 1/4-28 has no equivalent in S.I. units. [6] Design hydro tested to 1450 psi [10,000 kPa]. [7] See PCB Declaration of Conformance PS023 for details.	
Overload Limit(Shock)		1000 g pk	9810 m/s² pk			
Temperature Range		-320 to +250 °F	-196 to +121 °C			
Temperature Response		See Graph	See Graph	[1]		
Electrical						
Settling Time(within 1% of bias)		≤ 3 sec	≤ 3 sec			
Discharge Time Constant		0.05 to 0.5 sec	0.05 to 0.5 sec			
Excitation Voltage		18 to 28 VDC	18 to 28 VDC			
Constant Current Excitation		1.6 to 20 mA	1.6 to 20 mA			
Output Impedance		≤ 100 Ohm	≤ 100 Ohm			
Output Bias Voltage		7 to 11 VDC	7 to 11 VDC			
Spectral Noise(1 Hz)		600 µg/√Hz	5890 (µm/sec²)/√Hz			
Spectral Noise(10 Hz)		120 µg/√Hz	1180 (µm/sec²)/√Hz	[1]		
Spectral Noise(100 Hz)		36 µg/√Hz	355 (µm/sec²)/√Hz	[1]		
Spectral Noise(1 kHz)		25 µg/√Hz	250 (µm/sec²)/√Hz	[1]		
Spectral Noise(10 kHz)		6 µg/√Hz	59 (µm/sec²)/√Hz			
Electrical Isolation		≥ 10⁸ Ohm	≥ 10⁸ Ohm			
Physical						
Size (Hex x Height)		7/8 in x 2.06 in	22 mm x 52.3 mm			
Weight		3.3 oz	94 gm			
Mounting Thread		1/4-28 Female	1/4-28 Female	[5]		
Mounting Torque		2 to 5 ft-lb	2.7 to 6.8 Nm			
Sensing Element		Quartz	Quartz			
Sensing Geometry		Shear	Shear			
Housing Material		Stainless Steel	Stainless Steel			
Sealing		Hermetic	Hermetic	[6]		
Electrical Connector		2-Pin MIL-C-5015	2-Pin MIL-C-5015			
Electrical Connection Position		Top	Top			
 [7] Typical Sensitivity Deviation vs Temperature 						
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.						
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Entered: LK		Engineer: RB		Sales: MC		
Approved: BAM		Spec Number:				
Date: 12/11/2018		Date: 12/11/2018		Date: 12/11/2018		
Date: 12/11/2018		Date: 12/11/2018		69961		