

Model Number <b>EX600B13</b>	<b>VERY HIGH TEMPERATURE INDUSTRIAL ICP® ACCELEROMETER</b>			Revision: D ECN #: 46623
<b>Performance</b>	<b>ENGLISH</b>	<b>SI</b>		<b>OPTIONAL VERSIONS</b> Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.
Sensitivity(± 5 %)	100.0 mV/g	10.2 mV/(m/s <sup>2</sup> )	[2]	
Measurement Range(Peak)	± 50 g	± 490 m/s <sup>2</sup>		<b>NOTES:</b> [1] Typical value. [2] Conversion Factor 1g = 9.81 m/s <sup>2</sup> . [3] 1Hz = 60 cpm (cycles per minute). [4] The high frequency tolerance is accurate within ±10% of the specified frequency. [5] Zero-based, least-squares, straight line method. [6] See PCB Declaration of Conformance PS116 for details.
Frequency Range(± 5 %)	282 to 210,000 cpm	4.7 to 3500 Hz	[3][4]	
Frequency Range(± 10 %)	204 to 300,000 cpm	3.4 to 5000 Hz		
Resonant Frequency	1200 kcpm	20 kHz	[1]	
Broadband Resolution(1 to 10,000 Hz)	450 µg	4415 µm/sec <sup>2</sup>	[1][2]	
Non-Linearity	± 1 %	± 1 %	[5]	
Transverse Sensitivity	<5 %	<5 %		
<b>Environmental</b>				
Overload Limit(Shock)	1000 g pk	9810 m/s <sup>2</sup> pk	[2]	
Temperature Range(Accelerometer)	-65 to +900 °F	-54 to +482 °C		
Temperature Range(Charge Amplifier)	-60 to +250 °F	-51 to +121 °C		
Temperature Response	See Graph	See Graph	[1]	
Base Strain Sensitivity	≤ 0.006 g/µε	≤ 0.06 (m/s <sup>2</sup> )/µε	[2]	
<b>Electrical</b>				
Settling Time(at 70 °F within 1% of bias)	≤ 1.0 sec	≤ 1.0 sec		
Discharge Time Constant	≥ .10 sec	≥ .10 sec		
Excitation Voltage	22 to 28 VDC	22 to 28 VDC		
Constant Current Excitation	2.2 to 20 mA	2.2 to 20 mA		
Output Impedance	<1000 Ohm	<1000 Ohm	[1]	
Output Bias Voltage	12 to 16 VDC	12 to 16 VDC		
Spectral Noise(10 Hz)	30 µg/√Hz	294 (µm/sec <sup>2</sup> )/√Hz	[1][2]	
Spectral Noise(100 Hz)	8 µg/√Hz	78 (µm/sec <sup>2</sup> )/√Hz	[1][2]	
Spectral Noise(1 kHz)	4 µg/√Hz	39 (µm/sec <sup>2</sup> )/√Hz	[1][2]	
Electrical Isolation	>10 <sup>8</sup> Ohm	>10 <sup>8</sup> Ohm		
<b>Physical</b>				
Size (Diameter x Height)	1.5 in x 0.75 in	38.1 mm x 19.1 mm		
Weight(with cable)	10.5 oz	300 gm		
Mounting	Through Holes (3)	Through Holes (3)		
Sensing Element	UHT-12™	UHT-12™		
Sensing Geometry	Shear	Shear		
Housing Material	Inconel	Inconel		
Sealing	Welded Hermetic	Welded Hermetic		
Electrical Connector	2-Pin MIL-C-5015	2-Pin MIL-C-5015		
Electrical Connection Position	Side	Side		
Cable Length	10 ft	3 m		
Cable Type	Integral Hardline	Integral Hardline		
<b>Typical Sensitivity Deviation vs Temperature</b>				
	[6]			
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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<b>SUPPLIED ACCESSORIES:</b> Model 081A99 Cap Screw (3) Model ICS-1 NIST-traceable single-axis amplitude response calibration from 600 cpm (10 Hz) to upper 5% frequency (1)				
Entered: LK	Engineer: GJR	Sales: JC	Approved: BAM	Spec Number:
Date: 3/30/2017	Date: 3/30/2017	Date: 3/30/2017	Date: 3/30/2017	<b>44818</b>
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