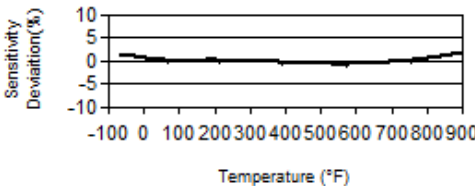


Model Number EX600B13	VERY HIGH TEMPERATURE INDUSTRIAL ICP® ACCELEROMETER			Revision: D ECN #: 46623
Performance		ENGLISH	SI	OPTIONAL VERSIONS
Sensitivity(± 5 %)	100.0 mV/g	10.2 mV/(m/s²)	[2]	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.
Measurement Range(Peak)	± 50 g	± 490 m/s²		
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/sec²	[1][2]	
Non-Linearity	± 1 %	± 1 %	[5]	
Transverse Sensitivity	<5 %	<5 %		
Environmental				
Overload Limit(Shock)	1000 g pk	9810 m/s² 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/s²)/µε	[2]	
Electrical				
Settling Time(at 70 °F within 1% of bias)	≤ 1.0 sec	≤ 1.0 sec		NOTES: [1] Typical value. [2] Conversion Factor 1g = 9.81 m/s². [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.
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/sec²)/√Hz	[1][2]	
Spectral Noise(100 Hz)	8 µg/√Hz	78 (µm/sec²)/√Hz	[1][2]	
Spectral Noise(1 kHz)	4 µg/√Hz	39 (µm/sec²)/√Hz	[1][2]	
Electrical Isolation	>10 ⁸ Ohm	>10 ⁸ Ohm		
Physical				
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		
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. ICP® is a registered trademark of PCB Group, Inc.				
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Date: 3/30/2017		Date: 3/30/2017	Date: 3/30/2017	Date: 3/30/2017
		Spec Number: 44818		