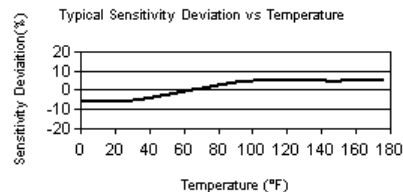


Model Number 393B04	ACCELEROMETER, ICP [®] , SEISMIC		Revision E ECN #: 29253
Performance Sensitivity (±10 %) Measurement Range Frequency Range (±5 %) Frequency Range (±10 %) Frequency Range (±3 dB) Resonant Frequency Broadband Resolution (1 to 10000 Hz) Non-Linearity Transverse Sensitivity	ENGLISH	SI	Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) T - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4 Output Bias Voltage 7.5 to 13 VDC 7.5 to 13 VDC Excitation Voltage 20 to 30 VDC 20 to 30 VDC TLA - TEDS LMS International - Free Format TLB - TEDS LMS International - Automotive Format TLC - TEDS LMS International - Aeronautical Format TLD - TEDS Capable of Digital Memory and Communication Compliant with IEEE 1451.4 Excitation Voltage 20 to 30 VDC 20 to 30 VDC Output Bias Voltage 7.5 to 13 VDC 7.5 to 13 VDC W - Water Resistant Cable Electrical Connector Sealed Integral Cable Sealed Integral Cable Electrical Connection Position Top Top Notes [1] Typical. [2] Zero-based, least-squares, straight line method. [3] Transverse sensitivity is typically <= 3%. [4] See PCB Declaration of Conformance PS023 for details. Supplied Accessories 081B05 Mounting Stud (10-32 to 10-32) (1) ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1) ACS-4 Single axis, low frequency phase and amplitude response cal from 0.5 to 10 Hz (1) M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)
	1000 mV/g	102 mV/(m/s ²)	
	±5 g pk	±49 m/s ² pk	
	0.06 to 450 Hz	0.06 to 450 Hz	
	0.05 to 750 Hz	0.05 to 750 Hz	
	0.02 to 1700 Hz	0.02 to 1700 Hz	
	≥2.5 kHz	≥2.5 kHz	
	0.000003 g rms	0.00003 m/s ² rms	
	≤1 %	≤1 %	
	≤5 %	≤5 %	
Environmental Overload Limit (Shock) Temperature Range Base Strain Sensitivity	±300 g pk	±2950 m/s ² pk	
	0 to +176 °F	-18 to +80 °C	
	≤0.0005 g/με	≤0.005 (m/s ²)/με	
Electrical Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Discharge Time Constant Settling Time Spectral Noise (1 Hz) Spectral Noise (10 Hz) Spectral Noise (100 Hz) Spectral Noise (1 kHz)	18 to 30 VDC	18 to 30 VDC	
	2 to 10 mA	2 to 10 mA	
	<500 Ohm	<500 Ohm	
	7 to 12 VDC	7 to 12 VDC	
	5 to 15 sec	5 to 15 sec	
	<100 sec	<100 sec	
	0.30 μg/√Hz	2.9 (μm/sec ²)/√Hz	
	0.10 μg/√Hz	1.0 (μm/sec ²)/√Hz	
Physical Sensing Element Sensing Geometry Housing Material Sealing Size (Diameter x Height) Weight Electrical Connector Electrical Connection Position Mounting Thread	0.04 μg/√Hz	0.4 (μm/sec ²)/√Hz	
	0.04 μg/√Hz	0.4 (μm/sec ²)/√Hz	
	Ceramic	Ceramic	
	Flexural	Flexural	
	Titanium	Titanium	
	Hermetic	Hermetic	
	0.99 in x 1.22 in	25 mm x 31 mm	
	1.8 oz	50 gm	
	10-32 Coaxial Jack	10-32 Coaxial Jack	
	Top	Top	
	10-32 Female	10-32 Female	



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: BLB	Engineer: BAM	Sales: BLB		Spec Number:
Date: 08/18/2008	Date: 08/15/2008	Date: 09/08/2008		17026



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