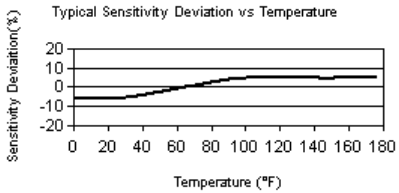
Model Number **393B05**	**ACCELEROMETER, ICP®, SEISMIC**	Revision H ECN #: 29253

Performance	**ENGLISH**	**SI**	
Sensitivity (±10 %)	10 V/g	1.02 V/(m/s²)	
Measurement Range	0.5 g pk	4.9 m/s² pk	
Frequency Range (±5 %)	0.7 to 450 Hz	0.7 to 450 Hz	
Frequency Range (±10 %)	0.5 to 750 Hz	0.5 to 750 Hz	
Frequency Range (±3 dB)	0.2 to 1700 Hz	0.2 to 1700 Hz	
Resonant Frequency	≥2.5 kHz	≥2.5 kHz	
Broadband Resolution (1 to 10000 Hz)	0.000004 g rms	0.00004 m/s² rms	[1]
Non-Linearity	≤1 %	≤1 %	[2]
Transverse Sensitivity	≤5 %	≤5 %	
Environmental			
Overload Limit (Shock)	±300 g pk	±2950 m/s² pk	
Temperature Range	0 to +176 °F	-18 to +80 °C	
Base Strain Sensitivity	≤0.0005 g/με	≤0.005 (m/s²)/με	[1]
Electrical			
Excitation Voltage	18 to 30 VDC	18 to 30 VDC	
Constant Current Excitation	2 to 10 mA	2 to 10 mA	
Output Impedance	<500 Ohm	<500 Ohm	
Output Bias Voltage	7 to 12 VDC	7 to 12 VDC	
Discharge Time Constant	0.5 to 2.0 sec	0.5 to 2.0 sec	
Settling Time	<100 sec	<100 sec	
Spectral Noise (1 Hz)	0.50 μg/√Hz	4.9 (μm/sec^2)/√Hz	[1]
Spectral Noise (10 Hz)	0.10 μg/√Hz	1.0 (μm/sec^2)/√Hz	[1]
Spectral Noise (100 Hz)	0.07 μg/√Hz	0.7 (μm/sec^2)/√Hz	[1]
Spectral Noise (1 kHz)	0.05 μg/√Hz	0.5 (μm/sec^2)/√Hz	[1]
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Flexural	Flexural	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Size (Diameter x Height)	0.99 in x 1.22 in	25 mm x 31 mm	
Weight	1.8 oz	50 gm	[1]
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Electrical Connection Position	Top	Top	
Mounting Thread	10-32 Female	10-32 Female	

CE[3]



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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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] 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)
M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)

Entered: BLB	Engineer: BAM	Sales: BLB		Spec Number:
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