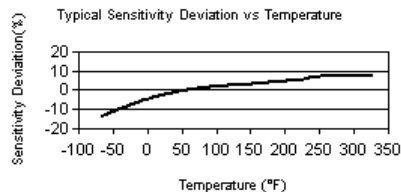


Performance	ENGLISH	SI	
Sensitivity (±10 %)	50 mV/g	5.1 mV/(m/s ²)	
Measurement Range	±100 g pk	±981 m/s ² pk	
Frequency Range (±5 %)	1 to 5000 Hz	1 to 5000 Hz	
Frequency Range (±10 %)	0.7 to 6500 Hz	0.7 to 6500 Hz	
Resonant Frequency	≥25 kHz	≥25 kHz	
Broadband Resolution (1 to 10000 Hz)	0.0002 g rms	0.002 m/s ² rms	[1]
Non-Linearity	≤1 %	≤1 %	[4]
Transverse Sensitivity	≤5 %	≤5 %	
Environmental			
Overload Limit (Shock)	±7000 g pk	±68600 m/s ² pk	
Temperature Range (Operating)	-65 to +250 °F	-54 to +121 °C	[3]
Temperature Response	See Graph	See Graph	
Base Strain Sensitivity	0.001 g/μϵ	0.01 (m/s ²)/μϵ	[1]
Electrical			
Excitation Voltage	24 to 30 VDC	24 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤100 ohm	≤100 ohm	
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC	
Discharge Time Constant	0.4 to 1.0 sec	0.4 to 1.0 sec	
Settling Time (within 10% of bias)	<3 sec	<3 sec	
Spectral Noise (1 Hz)	75 μg/√Hz	736 (μm/sec ²)/√Hz	[1]
Spectral Noise (10 Hz)	15 μg/√Hz	147 (μm/sec ²)/√Hz	[1]
Spectral Noise (100 Hz)	4 μg/√Hz	39.2 (μm/sec ²)/√Hz	[1]
Spectral Noise (1 kHz)	2 μg/√Hz	19.6 (μm/sec ²)/√Hz	[1]
Spectral Noise (10 kHz)	1 μg/√Hz	9.8 (μm/sec ²)/√Hz	[1]
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Size (Height x Length x Width)	0.55 in x 0.80 in x 0.55 in	14.0 mm x 20.3 mm x 14.0 mm	
Weight	0.37 oz	10.5 gm	[1]
Electrical Connector	1/4-28 4-Pin	1/4-28 4-Pin	
Electrical Connection Position	Side	Side	
Mounting Thread	10-32 Female	10-32 Female	
Mounting Torque	10 to 20 in-lb	113 to 225 N-cm	



Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)

HT - High temperature, extends normal operation temperatures

Frequency Range (±5 %)	6 to 5000 Hz	6 to 5000 Hz	
Frequency Range (±10 %)	5 to 5000 Hz	5 to 5000 Hz	
Broadband Resolution (1 to 10000 Hz)	0.0004 g rms	0.004 μm/sec ² rms	
Temperature Range (Operating)	-65 to +325 °F	-54 to +163 °C	
Output Bias Voltage	7 to 16	7 to 16	[2]
Discharge Time Constant	0.08 to 0.5 sec	0.08 to 0.5 sec	
Spectral Noise (1 Hz)	130 μg/√Hz	1275 (μm/sec ²)/√Hz	[1]
Spectral Noise (10 Hz)	30 μg/√Hz	294 (μm/sec ²)/√Hz	[1]
Spectral Noise (100 Hz)	10 μg/√Hz	98.1 (μm/sec ²)/√Hz	[1]
Spectral Noise (1 kHz)	3 μg/√Hz	29.4 (μm/sec ²)/√Hz	[1]
Spectral Noise (10 kHz)	2 μg/√Hz	19.6 (μm/sec ²)/√Hz	[1]

T - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4

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

Output Bias Voltage	8.7 to 13.0 VDC	8.7 to 13.0 VDC
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Notes

[1] Typical.

[2] TEDS option adds 1.0 VDC to bias voltage.

[3] 250° F to 325° F data valid with HT option only.

[4] Zero-based, least-squares, straight line method.

[5] See PCB Declaration of Conformance PS023 for details.

Supplied Accessories

080A109 Petro Wax (1)

080A12 Adhesive Mounting Base (1)

080A90 Quick Bonding Gel (1)

081B05 Mounting Stud (10-32 to 10-32) (1)

ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)

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

Entered: LLH	Engineer: BAM	Sales: WDC	Approved: EB	Spec Number:
Date: 05/18/2010	Date: 05/17/2010	Date: 05/17/2010	Date: 05/17/2010	14134



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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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