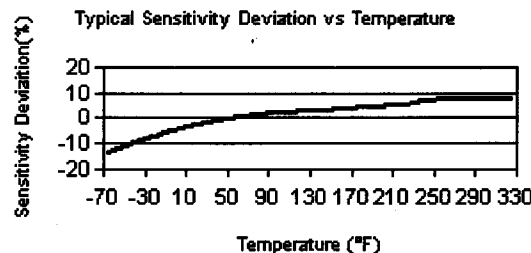


	ENGLISH	SI	
<b>Performance</b>			
Sensitivity (± 10 %)	10 mV/g	1.02 mV/(m/s <sup>2</sup> )	
Measurement Range	± 500 g pk	± 4905 m/s <sup>2</sup> pk	
Frequency Range (± 5 %)	1 to 4000 Hz	1 to 4000 Hz	
Resonant Frequency	≥ 70 kHz	≥ 70 kHz	
Broadband Resolution (1 to 10,000 Hz)	0.002 g rms	0.02 m/s <sup>2</sup> rms	[3]
Non-Linearity	≤ 1 %	≤ 1 %	[4]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
<b>Environmental</b>			
Overload Limit (Shock)	± 5000 g pk	± 49,050 m/s <sup>2</sup> pk	
Temperature Range (Operating)	-65 to +250 °F	-54 to +121 °C	
<b>Electrical</b>			
Excitation Voltage	23 to 30 VDC	23 to 30 VDC	[1]
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤ 100 ohm	≤ 100 ohm	
Output Bias Voltage	7 to 16 VDC	7 to 16 VDC	[2]
Discharge Time Constant	0.4 to 1.5 sec	0.4 to 1.5 sec	
Settling Time (within 10% of bias)	<5 sec	<5 sec	
Spectral Noise (1 Hz)	1000 µg/√Hz	9180 (µm/s <sup>2</sup> )/√Hz	[3]
Spectral Noise (10 Hz)	200 µg/√Hz	1962 (µm/s <sup>2</sup> )/√Hz	[3]
Spectral Noise (100 Hz)	50 µg/√Hz	491 (µm/s <sup>2</sup> )/√Hz	[3]
Spectral Noise (1 kHz)	25 µg/√Hz	245.3 (µm/s <sup>2</sup> )/√Hz	[3]
<b>Physical</b>			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Size (Height x Length x Width)	0.45 in x 0.82 in x 0.45 in	11.4 mm x 20.8 mm x 11.4 mm	
Weight (without cable)	0.15 oz	4.3 gm	[3]
Electrical Connector	1/4-28 4-Pin	1/4-28 4-Pin	
Electrical Connection Position	Side	Side	
Mounting	Adhesive	Adhesive	



[5]

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 the standard model except where noted below. More than one option may be used.

**HT** - High temperature, extends normal operation temperatures

Frequency Range (± 5 %)	4 to 4000 Hz	4 to 4000 Hz
Temperature Range (Operating)	-65 to +325 °F	-54 to +163 °C
Discharge Time Constant	0.1 to 0.6 sec	0.1 to 0.6 sec

**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

## NOTES:

- [1] Full range requires adequate excitation voltage.
- [2] TEDS option adds 1.0 VDC to bias voltage.
- [3] Typical.
- [4] Zero-based, least-squares, straight line method.
- [5] See PCB Declaration of Conformance PS023 for details.

## SUPPLIED ACCESSORIES:

Model 080A109 Petro Wax (1)  
Model ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)

Entered: <i>JCT</i>	Engineer: <i>WB</i>	Sales: <i>Met</i>	Approved: <i>MLK</i>	Spec Number:
Date: <i>4/28/06</i>	Date: <i>4/28/06</i>	Date: <i>4/28/06</i>	Date: <i>4/28/06</i>	32504

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