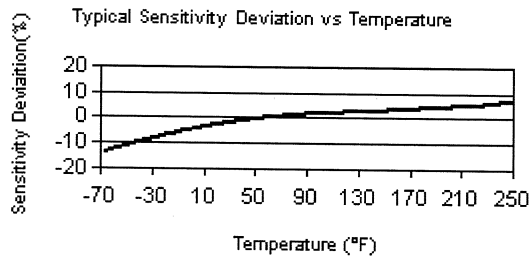


	ENGLISH	SI	
<b>Performance</b>			
Sensitivity (± 10 %)	10 mV/g	1.02 mV/(m/s <sup>2</sup> )	
Measurement Range	± 500 g pk	± 4905 m/s <sup>2</sup> pk	
Frequency Range (± 5 %) (Y- & Z-axis)	1.0 to 10,000 Hz	1.0 to 10,000 Hz	
Frequency Range (± 5 %) (X-axis)	1.0 to 7000 Hz	1.0 to 7000 Hz	
Resonant Frequency	≥ 70 kHz	≥ 70 kHz	
Broadband Resolution (1 to 10,000 Hz)	0.002 g rms	0.02 m/s <sup>2</sup> rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
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	
Temperature Response	See Graph	See Graph	
<b>Electrical</b>			
Excitation Voltage	22 to 30 VDC	22 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤ 100 ohm	≤ 100 ohm	
Output Bias Voltage	7 to 15 VDC	7 to 15 VDC	
Discharge Time Constant	0.2 to 1.5 sec	0.2 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	[1]
Spectral Noise (10 Hz)	200 µg/√Hz	1962 (µm/s <sup>2</sup> )/√Hz	[1]
Spectral Noise (100 Hz)	50 µg/√Hz	491 (µm/s <sup>2</sup> )/√Hz	[1]
Spectral Noise (1 kHz)	25 µg/√Hz	245.3 (µm/s <sup>2</sup> )/√Hz	[1]
<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 0.45 in x 0.45 in	11.4 mm x 11.4 mm x 11.4 mm	
Weight (without cable)	0.16 oz	4.5 gm	[1]
Electrical Connector	8-36 4-Pin	8-36 4-Pin	
Electrical Connection Position	Side	Side	
Mounting	Adhesive	Adhesive	



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.

- 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
- |                     |               |               |
|---------------------|---------------|---------------|
| Excitation Voltage  | 23 to 30 VDC  | 23 to 30 VDC  |
| Output Bias Voltage | 7.5 to 16 VDC | 7.5 to 16 VDC |

**NOTES:**  
[1] Typical.  
[2] Zero-based, least-squares, straight line method.  
[3] See PCB Declaration of Conformance PS023 for details.

**SUPPLIED ACCESSORIES:**  
Model 034K10 4-cond. shielded cable, 10 ft (3M), mini 4-pin plug to (3) BNC plugs (1)  
Model 080A109 Petro Wax (1)  
Model ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)

Entered: <i>BLS</i>	Engineer: <i>MB</i>	Sales: <i>SGC</i>	Approved: <i>[Signature]</i>	Spec Number:
Date: <i>6/17/05</i>	Date: <i>6/17/05</i>	Date: <i>6-17-05</i>	Date: <i>6/17/05</i>	22132

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