

	ENGLISH	SI	
<b>Performance</b>			
Sensitivity (±10 %)	100 mV/g	10.2 mV/(m/s <sup>2</sup> )	
Measurement Range	±50 g pk	±491 m/s <sup>2</sup> pk	
Frequency Range (±5 %)	1.0 to 4000 Hz	1.0 to 4000 Hz	
Frequency Range (±10 %)	0.7 to 5000 Hz	0.7 to 5000 Hz	
Resonant Frequency	≥25 kHz	≥25 kHz	
Broadband Resolution (1 to 10000 Hz)	0.0003 g rms	0.003 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	±49050 m/s <sup>2</sup> pk	
Temperature Range (Operating)	-65 to +250 °F	-54 to +121 °C	
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	0.001 g/με	0.01 (m/s <sup>2</sup> )/με	[1]
<b>Electrical</b>			
Excitation Voltage	24 to 30 VDC	24 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤200 ohm	≤200 ohm	
Output Bias Voltage	7 to 16 VDC	7 to 16 VDC	
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)	95 μg/√Hz	932 (μm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise (10 Hz)	20 μg/√Hz	196 (μm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise (100 Hz)	6 μg/√Hz	58.9 (μm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise (1 kHz)	3 μg/√Hz	29.4 (μm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise (10 kHz)	2 μg/√Hz	19.6 (μm/sec <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	0.19 oz	5.4 gm	[1]
Electrical Connector	8-36 4-Pin	8-36 4-Pin	
Electrical Connection Position	Side	Side	
Mounting Thread	5-40 Female	5-40 Female	
Mounting Torque	4 to 5 in-lb	45 to 55 N-cm	

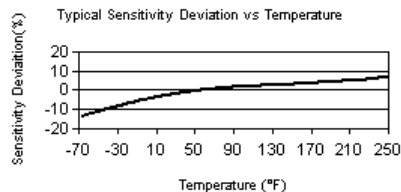
**Optional Versions** (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)

- 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 | 7.7 to 17.0 VDC | 7.7 to 17.0 VDC |
| Weight              | .23 oz          | 6.4 gm          |
| Mounting            | Adhesive        | Adhesive        |

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

- Supplied Accessories**
- 034K10 Cable 10FT Mini 4 Pin To (3) BNC (1)
  - 080A Adhesive Mounting Base (1)
  - 080A109 Petro Wax (1)
  - 081A27 Mounting Stud (5-40 to 5-40) (1)
  - 081A90 Mounting stud, 10-32 to 5-40 (1)
  - ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)
  - M081A27 Metric mounting stud, 5-40 to M3 x 0.50 long (1)

Entered: LLH	Engineer: MJN	Sales: BAM	Approved: LLH	Spec Number:
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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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