

	ENGLISH	SI	
<b>Performance</b>			
Sensitivity (±5 %)	1000 mV/g	102 mV/(m/s <sup>2</sup> )	
Measurement Range	±5 g pk	±49.1 m/s <sup>2</sup> pk	
Frequency Range (±5 %)	2 to 10000 Hz	2 to 10000 Hz	
Frequency Range (±10 %)	1 to 15000 Hz	1 to 15000 Hz	
Resonant Frequency	≥25 kHz	≥25 kHz	
Broadband Resolution (1 to 10000 Hz)	0.00008 g rms	0.0008 m/s <sup>2</sup> rms	[1]
Non-Linearity	≤1 %	≤1 %	[2]
Transverse Sensitivity	≤5 %	≤5 %	
<b>Environmental</b>			
Overload Limit	±1000 g pk	±9810 m/s <sup>2</sup> pk	
Temperature Range	-65 to +200 °F	-54 to +93 °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	20 to 30 VDC	20 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤500 ohm	≤500 ohm	
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC	
Discharge Time Constant	0.1 to 0.6 sec	0.1 to 0.6 sec	
Spectral Noise (1 Hz)	15 μg/√Hz	147 (μm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise (10 Hz)	5 μg/√Hz	49 (μm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise (100 Hz)	2 μg/√Hz	19.6 (μm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise (1 kHz)	1 μg/√Hz	9.8 (μm/sec <sup>2</sup> )/√Hz	[1]
<b>Physical</b>			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Welded Hermetic	Welded Hermetic	
Weight	0.9 oz	25 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	
Mounting Torque	10 to 20 in-lb	113 to 226 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.)

<b>J - Ground Isolated</b>		
Resonant Frequency	≥21 kHz	≥21 kHz
Electrical Isolation (Base)	>10 <sup>8</sup> ohm	>10 <sup>8</sup> ohm

**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**

Temperature Range	-10 to +200 °F	-23 to +93 °C
Output Bias Voltage	7.5 to 13 VDC	7.5 to 13 VDC

**W - Water Resistant Cable**

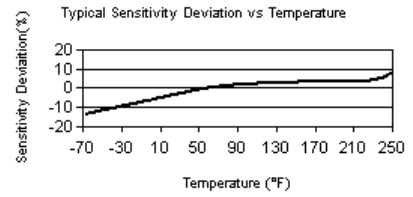
Electrical Connector	Sealed Integral Cable	Sealed Integral Cable
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Electrical Connection Position                      Top                      Top

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

**Supplied Accessories**

- 080A109 Petro Wax (1)
- 080A12 Adhesive Mounting Base (1)
- 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: BLS	Engineer: do	Sales: WDC	Approved: BAM	Spec Number:
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*All specifications are at room temperature unless otherwise specified.*  
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