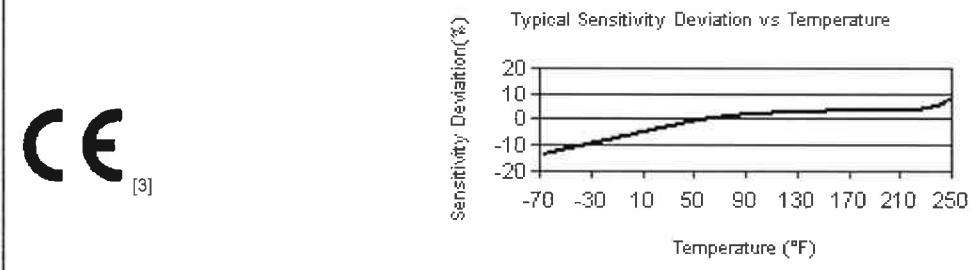


	ENGLISH	SI	
Performance			
Sensitivity(± 5 %)	1000 mV/g	102 mV/(m/s ²)	
Measurement Range	± 5 g pk	± 49.1 m/s ² pk	
Frequency Range(± 5 %)	2 to 10,000 Hz	2 to 10,000 Hz	
Frequency Range(± 10 %)	1 to 15,000 Hz	1 to 15,000 Hz	
Resonant Frequency	≥ 25 kHz	≥ 25 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.00008 g rms	0.0008 m/s ² rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit	± 1000 g pk	± 9810 m/s ² 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 ²)/με	[1]
Electrical			
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/s ²)/√Hz	[1]
Spectral Noise(10 Hz)	5 μg/√Hz	49 (μm/s ²)/√Hz	[1]
Spectral Noise(100 Hz)	2 μg/√Hz	19.6 (μm/s ²)/√Hz	[1]
Spectral Noise(1 kHz)	1 μg/√Hz	9.8 (μm/s ²)/√Hz	[1]
Physical			
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 the standard model except where noted below. More than one option may be used.		
J - Ground Isolated		
Resonant Frequency	≥ 21 kHz	≥ 21 kHz
Electrical Isolation(Base)	>10 ⁸ ohm	>10 ⁸ ohm
Size - Hex x Height	0.75 in x 1.15 in	19.1 mm x 29.2 mm
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(Memory Access)	-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
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:
 Model 080A109 Petro Wax (1)
 Model 080A12 Adhesive Mounting Base (1)
 Model 081B05 Mounting Stud (10-32 to 10-32) (1)
 Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)
 Model M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)



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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Entered: <i>BLS</i>	Engineer: <i>DORI</i>	Sales: <i>W</i>	Approved: <i>M/11/07</i>	Spec Number:
Date: <i>6-1-07</i>	Date: <i>6/4/7</i>	Date: <i>6/11/7</i>	Date: <i>6/12/07</i>	18862

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