

	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Sensitivity(± 5 %)	100 mV/g	10.2 mV/(m/s ²)	
Measurement Range	± 50 g pk	± 490 m/s ² pk	
Frequency Range(± 5 %)	0.5 to 10,000 Hz	0.5 to 10,000 Hz	
Frequency Range(± 10 %)	0.3 to 14,000 Hz	0.3 to 14,000 Hz	
Frequency Range(± 2 dB)	0.2 to 20,000 Hz	0.2 to 20,000 Hz	
Resonant Frequency	≥ 40 kHz	≥ 40 kHz	
Broadband Resolution	0.00015 g rms	0.0015 m/s ² rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 5 %	≤ 5 %	[3]
Environmental			
Overload Limit(Shock)	± 5000 g pk	± 49,000 m/s ² pk	
Temperature Range(Operating)	-65 to +200 °F	-54 to +93 °C	
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	0.003 g/με	0.029 (m/s ²)/με	[1]
Electrical			
Excitation Voltage	18 to 30 VDC	18 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 12 VDC	7 to 12 VDC	
Discharge Time Constant	0.6 to 2.0 sec	0.6 to 2.0 sec	
Settling Time(within 10% of bias)	<10 sec	<10 sec	
Spectral Noise(1 Hz)	39 μg/√Hz	380 (μm/sec ²)/√Hz	
Spectral Noise(10 Hz)	11 μg/√Hz	110 (μm/sec ²)/√Hz	[1]
Spectral Noise(100 Hz)	3.4 μg/√Hz	33 (μm/sec ²)/√Hz	[1]
Spectral Noise(1 kHz)	1.4 μg/√Hz	14 (μm/sec ²)/√Hz	[1]
Electrical Isolation	>10 ⁸ Ohm	>10 ⁸ Ohm	
Physical			
Size (Height x Hex)	0.93 in x 0.44 in	23.6 mm x 11.2 mm	
Weight	0.21 oz	6.0 gm	[1]
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Electrical Connection Position	Top	Top	
Mounting	Stud	Stud	
Mounting Thread	10-32 Male	10-32 Male	
Mounting Torque	10 to 20 in-lb	113 to 225 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.

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

Excitation Voltage	20 to 30 VDC	20 to 30 VDC
Output Bias Voltage	7.5 to 13 VDC	7.5 to 13 VDC

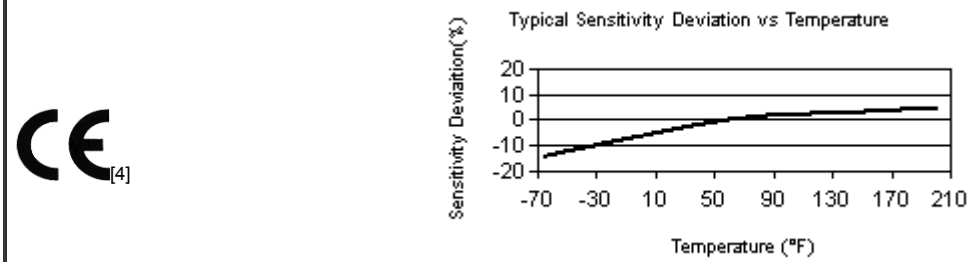
NOTES:

[1]Typical.
 [2]Zero-based, least-squares, straight line method.
 [3]Transverse sensitivity is typically ≤ 3%.
 [4]See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:

Model 080A Adhesive Mounting Base (1)
 Model 080A109 Petro Wax (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 ACS-5 NIST Traceable amplitude response from upper 5% frequency to 15 kHz. (1)
 Model ACS-6 Single axis high frequency, amplitude response cal from 15k to 20k Hz (Requires ACS-1 or Equivalent) (1)
 Model M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)

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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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