

Performance	ENGLISH	SI	
Sensitivity(± 10 %)	10 mV/g	1.02 mV/(m/s ²)	
Measurement Range	± 500 g pk	± 4900 m/s ² pk	
Frequency Range(± 5 %)	1 to 5000 Hz	1 to 5000 Hz	
Frequency Range(± 10 %)	0.5 to 6000 Hz	0.5 to 6000 Hz	
Resonant Frequency	≥ 25 kHz	≥ 25 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.0005 g rms	0.005 m/s ² rms	[1]
Non-Linearity(400 g, 3920 m/s ²)	≤ 1 %	≤ 1 %	[4]
Non-Linearity(500 g, 4900 m/s ²)	≤ 2 %	≤ 2 %	[4]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit(Shock)	± 7000 g pk	± 68,600 m/s ² pk	
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C	[3]
Temperature Response	See Graph	See Graph	[3][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	≤ 200 Ohm	≤ 200 Ohm	
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC	
Discharge Time Constant	0.6 to 2.0 sec	0.6 to 2.0 sec	
Settling Time(within 10% of bias)	<5 sec	<5 sec	
Spectral Noise(1 Hz)	150 µg/√Hz	1472 (µm/sec ²)/√Hz	[1]
Spectral Noise(10 Hz)	25 µg/√Hz	245 (µm/sec ²)/√Hz	[1]
Spectral Noise(100 Hz)	10 µg/√Hz	98 (µm/sec ²)/√Hz	[1]
Spectral Noise(1 kHz)	5 µg/√Hz	49 (µm/sec ²)/√Hz	[1]
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Size (Height x Length x Width)	0.55 in x 0.80 in x 0.55 in	14.0 mm x 20.3 mm x 14.0 mm	
Weight	0.37 oz	10.5 gm	[1]
Electrical Connector	1/4-28 4-Pin	1/4-28 4-Pin	
Electrical Connection Position	Side	Side	
Mounting Thread	10-32 Female	10-32 Female	
Mounting Torque	10 to 20 in-lb	113 to 225 N-cm	

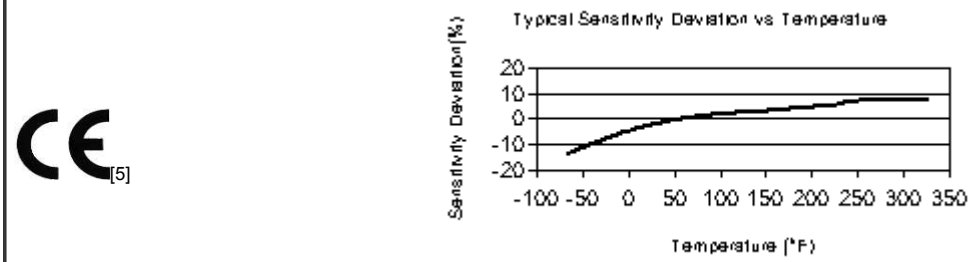
OPTIONAL VERSIONS		
Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.		
HT - High temperature, extends normal operation temperatures		
Frequency Range(± 5 %)	1 to 5000 Hz	1 to 5000 Hz
Frequency Range(± 10 %)	0.7 to 6000 Hz	0.7 to 6000 Hz
Broadband Resolution(1 to 10,000 Hz)	0.0008 g rms	0.008 µm/sec ² rms
Temperature Range(Operating)	-65 to +325 °F	-54 to +163 °C
Excitation Voltage	22 to 30 VDC	22 to 30 VDC
Output Bias Voltage	7 to 15 VDC	7 to 15 VDC
Discharge Time Constant	0.5 to 1.5 sec	0.5 to 1.5 sec
Spectral Noise(1 Hz)	400 µg/√Hz	3920 (µm/sec ²)/√Hz
Spectral Noise(10 Hz)	50 µg/√Hz	490 (µm/sec ²)/√Hz
Spectral Noise(100 Hz)	25 µg/√Hz	245 (µm/sec ²)/√Hz
Spectral Noise(1 kHz)	6 µg/√Hz	58.8 (µm/sec ²)/√Hz
RH - RoHS Compliant		
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	-65 to +250 °F	-54 to +121 °C
Output Bias Voltage	8.5 to 13.0 VDC	8.5 to 13.0 VDC

NOTES:
 [1]Typical.
 [2]TEDS option adds 1.0 VDC to bias voltage.
 [3]250° F to 325° F data valid with HT option only.
 [4]Zero-based, least-squares, straight line method.
 [5]See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:
 Model 080A109 Petro Wax (1)
 Model 080A12 Adhesive Mounting Base (1)
 Model 080A90 Quick Bonding Gel (1)
 Model 081B05 Mounting Stud (10-32 to 10-32) (1)
 Model ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)
 Model M081B05 Mounting Stud 10-32 to M6 X 0.75

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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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