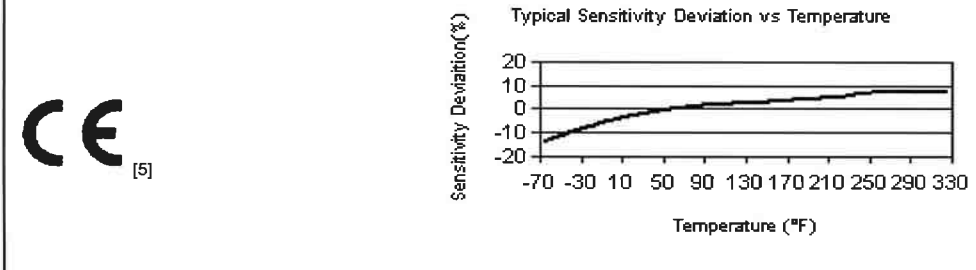


	ENGLISH	SI	
Performance			
Sensitivity(± 10 %)	100 mV/g	10.2 mV/(m/s ²)	
Measurement Range	± 50 g pk	± 490 m/s ² pk	
Frequency Range(± 5 %)	2 to 5000 Hz	2 to 5000 Hz	
Frequency Range(± 10 %)	1.4 to 6500 Hz	1.4 to 6500 Hz	
Resonant Frequency	≥ 25 kHz	≥ 25 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.0002 g rms	0.002 m/s ² rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[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	[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	0.2 to 0.8 sec	0.2 to 0.8 sec	
Settling Time(within 10% of bias)	<5 sec	<5 sec	
Spectral Noise(1 Hz)	80 μg/√Hz	785 (μm/s ²)/√Hz	[1]
Spectral Noise(10 Hz)	15 μg/√Hz	147 (μm/s ²)/√Hz	[1]
Spectral Noise(100 Hz)	5 μg/√Hz	49 (μm/s ²)/√Hz	[1]
Spectral Noise(1 kHz)	2 μg/√Hz	20 (μm/s ²)/√Hz	[1]
Spectral Noise(10 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	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	[1]
Weight	0.37 oz	10.5 gm	
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.		
A - Adhesive Mount		
Supplied Accessory : Model 080A109 Petro Wax (1)		
Supplied Accessory : Model 080A90 Quick Bonding Gel (1)		
HT - High temperature, extends normal operation temperatures		
Frequency Range(± 5 %)	10 to 5000 Hz	10 to 5000 Hz
Frequency Range(± 10 %)	7 to 6500 Hz	7 to 6500 Hz
Broadband Resolution(1 to 10,000 Hz)	0.0005 g rms	0.005 μm/s ² rms
Temperature Range(Operating)	-65 to +325 °F	-54 to +163 °C
Excitation Voltage	24 to 30 VDC	24 to 30 VDC
Output Bias Voltage	7 to 16 VDC	7 to 16 VDC
Discharge Time Constant	0.03 to 0.1 sec	0.03 to 0.1 sec
Spectral Noise(1 Hz)	110 μg/√Hz	1080 (μm/s ²)/√Hz
Spectral Noise(10 Hz)	50 μg/√Hz	491 (μm/s ²)/√Hz
Spectral Noise(100 Hz)	30 μg/√Hz	294 (μm/s ²)/√Hz
Spectral Noise(1 kHz)	10 μg/√Hz	98.1 (μm/s ²)/√Hz
J - Ground Isolated		
Electrical Isolation(Base)	>10 ⁸ ohm	>10 ⁸ ohm
Size - Height x Length x Width	0.59 in x 0.80 in x 0.55 in	15.0 mm x 20.3 mm x 14.0 mm
Weight	0.37 oz	10.5 gm
Mounting	Adhesive	Adhesive
Supplied Accessory : Model 080A109 Petro Wax (1)		
Supplied Accessory : Model 080A90 Quick Bonding Gel (1)		
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	8.7 to 13.0 VDC	8.7 to 13.0 VDC



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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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 (1)

Entered: BLS	Engineer: BM	Sales: RJL	Approved: JJB	Spec Number:
Date: 11.5.07	Date: 11.2.07	Date: 11.2.07	Date: 11.2.07	10329

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