

	ENGLISH	SI	
<b>Performance</b>			
Sensitivity(± 10 %)	10 mV/g	1.02 mV/(m/s <sup>2</sup> )	
Measurement Range	± 500 g pk	± 4,905 m/s <sup>2</sup> pk	
Frequency Range(± 5 %)	1.0 to 10,000 Hz	1.0 to 10,000 Hz	
Frequency Range(± 10 %)	0.5 to 15,000 Hz	0.5 to 15,000 Hz	
Resonant Frequency	≥ 50 kHz	≥ 50 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.0005 g rms	0.005 m/s <sup>2</sup> rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
TEDS Compliant(Per IEEE 1451.4)	Yes	Yes	[3]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Phase Response(± 5 °)	3 to 10,000 Hz	3 to 10,000 Hz	
<b>Environmental</b>			
Overload Limit(Shock)	± 5,000 g pk	± 49,000 m/s <sup>2</sup> pk	
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C	
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	0.01 g/µε	0.1 (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	≤ 300 Ohm	≤ 300 Ohm	
Output Bias Voltage	7 to 16 VDC	7 to 16 VDC	
Discharge Time Constant	1 to 4 sec	1 to 4 sec	
Spectral Noise(1 Hz)	60 µg/√Hz	589 (µm/sec <sup>2</sup> )/√Hz	
Spectral Noise(10 Hz)	20 µg/√Hz	196 (µm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise(100 Hz)	10 µg/√Hz	98 (µm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise(1 kHz)	5 µg/√Hz	49 (µm/sec <sup>2</sup> )/√Hz	[1]
<b>Physical</b>			
Weight	0.14 oz	4.0 gm	[1]
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Welded Hermetic	Welded Hermetic	
Size (Length x Width)	0.64 in x 0.40 in	16.3 mm x 10.2 mm	
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Electrical Connection Position	Side	Side	
Mounting	Adhesive	Adhesive	

**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.

**NOTES:**

[1]Typical.  
 [2]Zero-based, least-squares, straight line method.  
 [3]TEDS Capable Digital Memory and Communication, compliant with IEEE 1451.4  
 [4]See PCB Declaration of Conformance PS022 for details.

**SUPPLIED ACCESSORIES:**

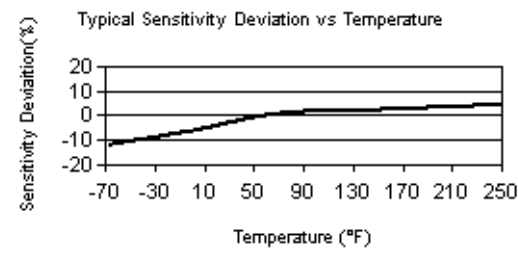
Model 080A109 Petro Wax (1)  
 Model 080A90 Quick Bonding Gel (1)  
 Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)

Entered: ND	Engineer: BAM	Sales: KK	Approved: BAM	Spec Number:
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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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