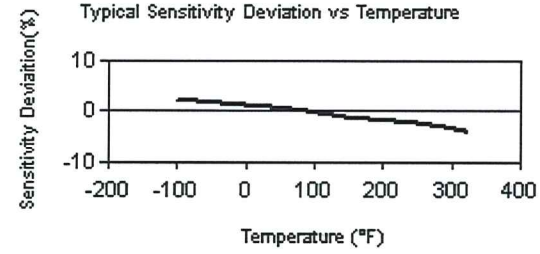


	ENGLISH	SI	
<b>Performance</b>			
Sensitivity(± 10 %)	100 mV/g	10.2 mV/(m/s <sup>2</sup> )	
Measurement Range	± 50 g pk	± 490 m/s <sup>2</sup> pk	
Frequency Range(± 5 %)	1 to 4000 Hz	1 to 4000 Hz	
Frequency Range(± 10 %)	0.7 to 6000 Hz	0.7 to 6000 Hz	
Frequency Range(± 3 dB)	0.35 to 10,000 Hz	0.35 to 10,000 Hz	
Resonant Frequency	≥ 22 kHz	≥ 22 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.0003 g rms	0.003 m/s <sup>2</sup> rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 5 %	≤ 5 %	[3]
<b>Environmental</b>			
Overload Limit(Shock)	± 2000 g pk	± 19,620 m/s <sup>2</sup> pk	
Temperature Range(Operating)	-100 to +325 °F	-73 to +163 °C	
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	≤ 0.0002 g/µε	≤ 0.002 (m/s <sup>2</sup> )/µε	[1]
<b>Electrical</b>			
Excitation Voltage	18 to 30 VDC	18 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤ 100 ohm	≤ 100 ohm	
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC	
Discharge Time Constant	0.5 to 2.6 sec	0.5 to 2.6 sec	
Spectral Noise(1 Hz)	150 µg/√Hz	1470 (µm/sec <sup>2</sup> )/√Hz	
Spectral Noise(10 Hz)	30 µg/√Hz	294 (µm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise(100 Hz)	8 µg/√Hz	78 (µm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise(1 kHz)	2 µg/√Hz	20 (µm/sec <sup>2</sup> )/√Hz	[1]
<b>Physical</b>			
Sensing Element	Quartz	Quartz	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Welded Hermetic	Welded Hermetic	
Size (Hex x Height)	0.75 in x 0.85 in	19.1 mm x 21.6 mm	[1]
Weight	0.7 oz	20 gm	
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
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.		
<b>J - Ground Isolated</b>		
Electrical Isolation(Base)	>10 <sup>8</sup> ohm	>10 <sup>8</sup> ohm
Size - Hex x Height	0.75 in x 0.90 in	19.1 mm x 22.9 mm
<b>W - Water Resistant Cable</b>		
Electrical Connector	Sealed Integral Cable	Sealed Integral Cable
Electrical Connection Position	Side	Side

**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 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>10mw</i>	Engineer: <i>BAM</i>	Sales: <i>WDC</i>	Approved: <i>EB</i>	Spec Number:
Date: <i>3/23/11</i>	Date: <i>3/23/11</i>	Date: <i>3/23/11</i>	Date: <i>3/23/11</i>	9641

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