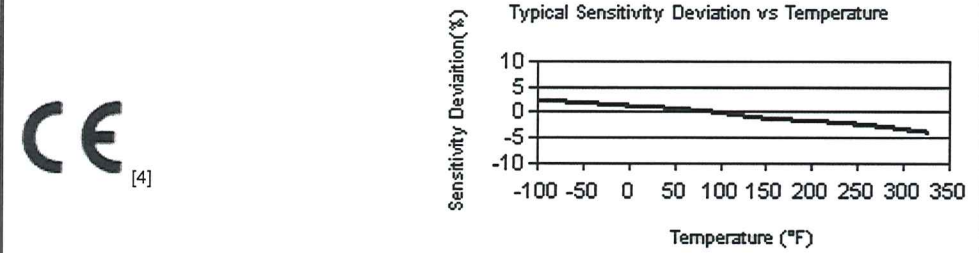


	ENGLISH	SI	
Performance			
Sensitivity(± 10 %)	20 mV/g	2.04 mV/(m/s ²)	
Measurement Range	± 250 g pk	± 2452 m/s ² pk	
Frequency Range(± 5 %)	1 to 6000 Hz	1 to 6000 Hz	
Frequency Range(± 10 %)	0.7 to 9000 Hz	0.7 to 9000 Hz	
Frequency Range(± 3 dB)	0.35 to 18,000 Hz	0.35 to 18,000 Hz	
Resonant Frequency	≥ 35 kHz	≥ 35 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.003 g rms	0.03 m/s ² rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 5 %	≤ 5 %	[3]
Environmental			
Overload Limit(Shock)	± 7000 g pk	± 68,670 m/s ² pk	
Temperature Range(Operating)	-100 to +325 °F	-73 to +163 °C	
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	≤ 0.0005 g/με	≤ 0.005 (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	≤ 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)	1600 μg/√Hz	15,700 (μm/sec ²)/√Hz	
Spectral Noise(10 Hz)	350 μg/√Hz	3433 (μm/sec ²)/√Hz	[1]
Spectral Noise(100 Hz)	90 μg/√Hz	883 (μm/sec ²)/√Hz	[1]
Spectral Noise(1 kHz)	32 μg/√Hz	314 (μm/sec ²)/√Hz	[1]
Physical			
Sensing Element	Quartz	Quartz	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Welded Hermetic	Welded Hermetic	
Weight	0.38 oz	10.5 gm	[1]
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Electrical Connection Position	Top	Top	
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.		
J - Ground Isolated		
Frequency Range(5 %)	4 Hz	4 Hz
Frequency Range(10 %)	7 Hz	7 Hz
Frequency Range(3 dB)	10 Hz	10 Hz
Resonant Frequency	≥ 22 kHz	≥ 22 kHz
Electrical Isolation(Base)	>10 ⁸ ohm	>10 ⁸ ohm
Size - Hex x Height	0.50 in x 1.19 in	12.7 mm x 30.2 mm
W - Water Resistant Cable		
Electrical Connector	Sealed Integral Cable	Sealed Integral Cable
Electrical Connection Position	Top	Top

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 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)



Entered: <i>DMW</i>	Engineer: <i>DMW</i>	Sales: <i>WDC</i>	Approved: <i>EB</i>	Spec Number:
Date: <i>3/24/11</i>	Date: <i>3/24/11</i>	Date: <i>3/24/11</i>	Date: <i>3/24/11</i>	11858

*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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