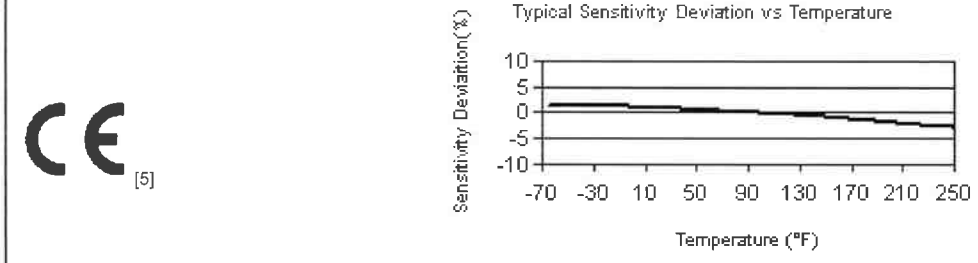


	ENGLISH	SI	
<b>Performance</b>			
Sensitivity(± 5 %)	100 mV/g	10,19 mV/(m/s <sup>2</sup> )	[2]
Measurement Range	± 50 g pk	± 491 m/s <sup>2</sup> pk	
Frequency Range(± 5 %)	1 to 4000 Hz	1 to 4000 Hz	
Frequency Range(± 10 %)	0,7 to 6500 Hz	0,7 to 6500 Hz	
Frequency Range(± 3 dB)	0,35 to 12,000 Hz	0,35 to 12,000 Hz	
Resonant Frequency	≥ 22 kHz	≥ 22 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 %	[3]
Transverse Sensitivity	≤ 5 %	≤ 5 %	[4]
<b>Environmental</b>			
Overload Limit(Shock)	± 10,000 g pk	± 98,100 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	0,0002 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	7,5 to 11,5 VDC	7,5 to 11,5 VDC	
Discharge Time Constant	0,5 to 2,0 sec	0,5 to 2,0 sec	
Settling Time(within 10% of bias)	<25 sec	<25 sec	
Spectral Noise(1 Hz)	320 µg/√Hz	3139 (µm/s <sup>2</sup> )/√Hz	[1]
Spectral Noise(10 Hz)	70 µg/√Hz	687 (µm/s <sup>2</sup> )/√Hz	[1]
Spectral Noise(100 Hz)	18 µg/√Hz	177 (µm/s <sup>2</sup> )/√Hz	[1]
Spectral Noise(1 kHz)	6,4 µg/√Hz	63 (µm/s <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 0,93 in	19,1 mm x 23,6 mm	
Weight	0,95 oz	27 gm	[1]
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Electrical Connection Position	Side	Side	
Mounting Thread	10-32 Female	10-32 Female	

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>B - Low bias electronics</b> [2]		
Output Bias Voltage	4,5 to 7,5 VDC	4,5 to 7,5 VDC
Excitation Voltage	12 to 30 VDC	12 to 30 VDC
Constant Current Excitation	1 to 20 mA	1 to 20 mA
Measurement Range	± 30 g pk	± 294 m/s <sup>2</sup> pk
<b>J - Ground Isolated</b>		
Frequency Range(± 5 %)	1 to 4000 Hz	1 to 4000 Hz
Frequency Range(± 10 %)	0,7 to 6000 Hz	0,7 to 6000 Hz
Resonant Frequency	≥ 18 kHz	≥ 18 kHz
Electrical Isolation(Base)	≥ 10 <sup>8</sup> ohm	≥ 10 <sup>8</sup> ohm
Size - Hex x Height	0,75 in x 0,98 in	19,1 mm x 24,9 mm
<b>Q - Extended discharge time constant</b> [2]		
Frequency Range(± 5 %)	0,1 to 4000 Hz	0,1 to 4000 Hz
Frequency Range(± 10 %)	0,07 to 6500 Hz	0,07 to 6500 Hz
Discharge Time Constant	≥ 10 sec	≥ 10 sec
Settling Time(within 10% of bias)	<120 sec	<120 sec
Supplied Accessory : Model ACS-4 Single-axis, low frequency phase and amplitude response calibration, (1)		
<b>W - Water Resistant Cable</b>		
Electrical Connector	Sealed Integral Cable	Sealed Integral Cable
Electrical Connection Position	Side	Side

**NOTES:**  
 [1] Typical.  
 [2] B and Q options supplied with a sensitivity tolerance of ± 10 %.  
 [3] Zero-based, least-squares, straight line method.  
 [4] Transverse sensitivity is typically ≤ 3%.  
 [5] 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)



Entered: BLS	Engineer: BAM	Sales: WDC	Approved: EB	Spec Number:
Date: 7-10-07	Date: 7-2-07	Date: 7-2-07	Date: 7-5-07	353-2330-80

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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