

	ENGLISH	SI	
<b>Performance</b>			
Sensitivity(± 20 %)	100 mV/g	10.2 mV/(m/s <sup>2</sup> )	[1]
Measurement Range(12 VDC)	± 50 g	± 490 m/s <sup>2</sup>	[2]
Measurement Range(5 VDC)	± 15 g	± 147 m/s <sup>2</sup>	[2]
Frequency Range(± 3 dB)	90 to 480,000 cpm	1.5 to 8,000 Hz	[3]
Resonant Frequency	1,500 kcpm	25 kHz	[2]
Broadband Resolution(1 to 10,000 Hz)	2 mg	19.6 mm/s <sup>2</sup>	[2]
Non-Linearity	± 1 %	± 1 %	[4]
Transverse Sensitivity	≤ 7 %	≤ 7 %	
<b>Environmental</b>			
Overload Limit(Shock)	5,000 g pk	49,050 m/s <sup>2</sup> pk	
Temperature Range	-65 to +250 °F	-54 to +121 °C	
Temperature Response	See Graph	See Graph	[2]
Enclosure Rating	IP68	IP68	
<b>Electrical</b>			
Settling Time(within 1% of bias)	≤ 5.0 sec	≤ 5.0 sec	
Discharge Time Constant	≥ 0.1 sec	≥ 0.1 sec	
Excitation Voltage	5 to 12 VDC	5 to 12 VDC	
Output Impedance	< 100 Ohm	< 100 Ohm	
Current Draw	0.5 mA	0.5 mA	[2]
Output Bias Voltage	2.5 to 6 VDC	2.5 to 6 VDC	
Spectral Noise(10 Hz)	18 µg/√Hz	176.6 (µm/sec <sup>2</sup> )/√Hz	[2]
Spectral Noise(100 Hz)	4 µg/√Hz	39.2 (µm/sec <sup>2</sup> )/√Hz	[2]
Spectral Noise(1 kHz)	2 µg/√Hz	19.6 (µm/sec <sup>2</sup> )/√Hz	[2]
Electrical Isolation(Case)	> 10 <sup>8</sup> Ohm	> 10 <sup>8</sup> Ohm	
<b>Physical</b>			
Size (Length x Width x Height)	1.65 in x 0.74 in x 0.845 in	41.9 mm x 18.8 mm x 21.5 mm	
Weight	2.61 oz	74.0 gm	
Mounting Thread	1/4-28 Male	No Metric Equivalent	[5]
Mounting Torque	2 to 5 ft-lb	2.7 to 6.8 Nm	
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Stainless Steel	Stainless Steel	
Sealing	Welded Hermetic	Welded Hermetic	
Electrical Connector	3-Pin MIL-C-5015	3-Pin MIL-C-5015	
Electrical Connection Position	Side	Side	

**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.

**M** - Metric Mount  
Supplied Accessory: Model M081B97 Captive Mounting Bolt, M6 x 1 x 25 mm long, hex head (1)


**NOTES:**

[1] Conversion Factor 1g = 9.81 m/s<sup>2</sup>.  
 [2] Typical.  
 [3] The high frequency tolerance is accurate within ±10% of the specified frequency.  
 [4] Zero-based, least-squares, straight line method.  
 [5] 1/4-28 has no equivalent in S.I. units.  
 [6] See PCB Declaration of Conformance PS205 for details.

**SUPPLIED ACCESSORIES:**

Model 081B97 Captive Mounting Bolt 316SS - 7/16 HEX 1/4-28 UNF (1)

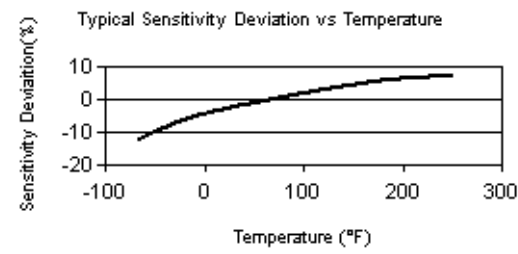
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All specifications are at room temperature unless otherwise specified.  
 In the interest of constant product improvement, we reserve the right to change specifications without notice.  
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