

	ENGLISH	SI	
<b>Performance</b>			
Sensitivity (±20 %)	500 mV/g	51.0 mV/(m/s <sup>2</sup> )	[2]
Measurement Range	±10 g	±98 m/s <sup>2</sup>	
Frequency Range (±3 dB)	30 to 180000 cpm	0.5 to 3000 Hz	[3]
Resonant Frequency	1500 kcpm	25 kHz	[1]
Broadband Resolution (1 to 10000 Hz)	300 µg	2943 µm/sec <sup>2</sup>	[1]
Non-Linearity	±1 %	±1 %	[4]
Transverse Sensitivity	≤7 %	≤7 %	
<b>Environmental</b>			
Overload Limit (Shock)	5000 g pk	49050 m/s <sup>2</sup> pk	
Temperature Range	-65 to +200 °F	-54 to +93 °C	
Enclosure Rating	IP68	IP68	
<b>Electrical</b>			
Settling Time (within 1% of bias)	≤5.0 sec	≤5.0 sec	
Discharge Time Constant	≥0.3 sec	≥0.3 sec	
Excitation Voltage	18 to 28 VDC	18 to 28 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	<500 Ohm	<500 Ohm	
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC	
Spectral Noise (10 Hz)	8 µg/√Hz	78.5 (µm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise (100 Hz)	3 µg/√Hz	29.4 (µm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise (1 kHz)	3 µg/√Hz	29.4 (µm/sec <sup>2</sup> )/√Hz	[1]
Electrical Isolation (Case)	>10 <sup>8</sup> Ohm	>10 <sup>8</sup> Ohm	
<b>Physical</b>			
Size (Hex x Height)	9/16 in x 2.5 in	14 mm x 64 mm	
Weight	3.5 oz	99.3 gm	
Mounting	Stud	Stud	
Mounting Thread	1/4-28 Female	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	Molded	Molded	
Electrical Connection Position	Top	Top	
Cable Length	10 ft	3 m	
Cable Type	Polyurethane	Polyurethane	

**Optional Versions** (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)

**M** - Metric Mount  
Supplied Accessory: Model M081A61 Mounting stud, 1/4-28 to M6 x 1

**TO** - Temperature Output

Temperature Output Range	+36 to +200 °F	+2 to +93 °C
Temperature Scale Factor	5.56 mV/°F + 32	(+10 mV/°C)
Electrical Connector	3-Pin MIL-C-5015	3-Pin MIL-C-5015
Electrical Connections (Pin A)	Acceleration	Acceleration
	Output	Output
Electrical Connections (Pin B)	Ground	Ground
Electrical Connections (Pin C)	Temperature	Temperature
	Output	Output
Size (Height)	1.86 in	47.2 in
Weight	2.0 oz	56.7 oz

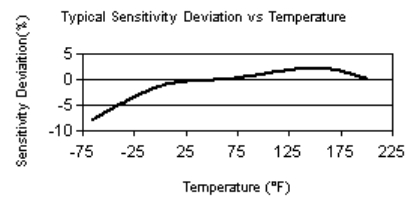
**Notes**

[1] Typical.  
 [2] Conversion Factor 1g = 9.81 m/s<sup>2</sup>.  
 [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 PS023 for details.

**Supplied Accessories**

081A40 Mounting Stud ()  
 ICS-2 NIST-traceable single-axis single-point amplitude response calibration at 6000 cpm (100 Hz) (1)

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*All specifications are at room temperature unless otherwise specified.*  
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