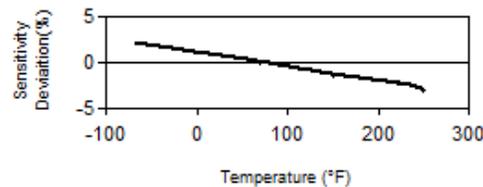


Performance	ENGLISH	SI	
Sensitivity(± 5 %)	100 mV/g	10.2 mV/(m/s <sup>2</sup> )	[2]
Measurement Range	± 50 g	± 490 m/s <sup>2</sup>	
Frequency Range(± 5 %)	144 to 300,000 cpm	2.4 to 5000 Hz	[3]
Frequency Range(± 10 %)	102 to 420,000 cpm	1.7 to 7000 Hz	
Frequency Range(± 3 dB)	48 to 600,000 cpm	0.8 to 10,000 Hz	
Resonant Frequency	1080 kcpm	18 kHz	[1]
Broadband Resolution(1 to 10,000 Hz)	1000 µg	9810 µm/sec <sup>2</sup>	[1]
Non-Linearity	± 1 %	± 1 %	[4]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
<b>Environmental</b>			
Overload Limit(Shock)	5000 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	[1]
Enclosure Rating	IP68	IP68	
<b>Electrical</b>			
Settling Time(within 1% of bias)	≤ 10 sec	≤ 10 sec	
Discharge Time Constant	≥ 0.2 sec	≥ 0.2 sec	
Excitation Voltage	18 to 28 VDC	18 to 28 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	
Spectral Noise(10 Hz)	50 µg/√Hz	491 (µm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise(100 Hz)	20 µg/√Hz	196 (µm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise(1 kHz)	6 µg/√Hz	59 (µm/sec <sup>2</sup> )/√Hz	[1]
Electrical Protection	RFI/ESD	RFI/ESD	
Electrical Isolation(Case)	>10 <sup>8</sup> Ohm	>10 <sup>8</sup> Ohm	
<b>Physical</b>			
Size (Diameter x Height)	1.37 in x .955 in	34.8 mm x 24.3 mm	
Weight(without cable)	4.2 oz	120 gm	
Mounting Thread	1/4-28 Male	1/4-28 Male	[5]
Mounting Torque	2 to 5 ft-lb	2.7 to 6.8 Nm	
Sensing Element	Quartz	Quartz	
Sensing Geometry	Shear	Shear	
Housing Material	Stainless Steel	Stainless Steel	
Sealing	Welded Hermetic	Welded Hermetic	
Electrical Connector	Integral Armored Cable	Integral Armored Cable	
Electrical Connection Position	Side	Side	
Cable Length	10 ft	3.0 m	
Cable Type	Polyurethane	Polyurethane	[6]

Typical Sensitivity Deviation vs Temperature



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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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>LB - Low Bias Voltage</b>		
Output Bias Voltage	6 to 8 VDC	6 to 8 VDC
Excitation Voltage	12 to 28 VDC	12 to 28 VDC
Measurement Range	± 35 g	± 343 m/s <sup>2</sup>
<b>M - Metric Mount</b>		
Supplied Accessory : Model M081A67 Captive mounting bolt M6 x 1 (1)		
<b>TO - Temperature Output</b>		
Temperature Output Range	+36 to +250 °F	+2 to +121 °C
Temperature Scale Factor	5.56 mV/°F + 32	+10 mV/°C
Electrical Connector	Integral Armored Cable	Integral Armored Cable
Electrical Connections(Green)	Ground	Ground
Electrical Connections(Black)	Ground	Ground
Electrical Connections(White)	Temperature Output	Temperature Output
Electrical Connections(Red)	Acceleration Output	Acceleration Output

**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] Stainless steel armor jacket over twisted shielded pair.
- [7] See PCB Declaration of Conformance PS023 for details.

**SUPPLIED ACCESSORIES:**

Model 081A67 Captive mounting bolt 1/4-28 x 1.12" (1)  
Model ICS-1 NIST-traceable single-axis amplitude response calibration from 600 cpm (10 Hz) to upper 5% frequency (1)

Entered: LK	Engineer: NJF	Sales: MC	Approved: NJF	Spec Number:
Date: 7/11/2017	Date: 7/11/2017	Date: 7/11/2017	Date: 7/11/2017	<b>20636</b>

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