

	ENGLISH	SI	
<b>Performance</b>			
Sensitivity(± 5 %)	100 pC/g	10.2 pC/(m/s <sup>2</sup> )	
Measurement Range	± 500 g pk	± 4905 m/s <sup>2</sup> pk	
Frequency Range(± 5 %)	6 kHz	6 kHz	
Resonant Frequency	≥ 20 kHz	≥ 20 kHz	
Non-Linearity(500 g, 4900 m/s <sup>2</sup> )	≤ 1 %	≤ 1 %	
Transverse Sensitivity	≤ 5 %	≤ 5 %	[2]
<b>Environmental</b>			
Overload Limit(Shock)	± 1000 g pk	± 9810 m/s <sup>2</sup> pk	
Temperature Range(Operating)	-65 to 500 °F	-54 to 260 °C	
Temperature Range(Maximum)	550 °F	288 °C	
Temperature Response(Operating)	See Graph	See Graph	[1]
Base Strain Sensitivity	.001 g/με	.01 (m/s <sup>2</sup> )/με	[1]
Radiation Exposure Limit(Integrated Neutron Flux)	1E10 N/cm <sup>2</sup>	1E10 N/cm <sup>2</sup>	
Radiation Exposure Limit(Integrated Gamma Flux)	1E8 rad	1E8 rad	
<b>Electrical</b>			
Capacitance(Pin to Pin)	10,000 pF	10,000 pF	[1]
Capacitance(Pin to Case)	30 pF	30 pF	[1]
Capacitance(Unbalance Between Pins)	≤ 2 pF	≤ 2 pF	
Insulation Resistance(Pin to Case at 70°F [21°C])	≥ 1 GOhm	≥ 1 GOhm	
Insulation Resistance(Pin to Pin at 500°F [260°C])	≥ 10 MOhm	≥ 10 MOhm	
Insulation Resistance(Pin to Pin at 70°F [21°C])	≥ 1 GOhm	≥ 1 GOhm	
Insulation Resistance(Pin to Case at 500°F [260°C])	≥ 50 MOhm	≥ 50 MOhm	
Output Polarity	Differential	Differential	
<b>Physical</b>			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Stainless Steel	Stainless Steel	
Sealing	Hermetic	Hermetic	
Size (Height x Diameter)	1.00 in x .75 in	25.4 mm x 19 mm	
Weight(Maximum)	1.75 oz	50 gm	[1]
Electrical Connector	7/16-27 2-Pin	7/16-27 2-Pin	
Electrical Connection Position	Side	Side	
Mounting	Through Holes (3)	Through Holes (3)	

**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.

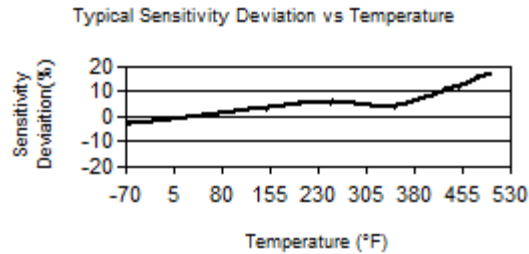
**NOTES:**

[1] Typical.  
 [2] Transverse sensitivity is typically ≤ 3%.  
 [3] See PCB Declaration of Conformance PS160 for details.

**SUPPLIED ACCESSORIES:**

Model 081A99 Cap Screw (3)  
 Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)

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Date: 8/8/2017	Date: 8/8/2017	Date: 8/8/2017	Date: 8/8/2017	<b>27809</b>



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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