

	<u>ENGLISH</u>	<u>SI</u>	
<b>Performance</b>			
Sensitivity(± 5 %)	10 pC/g	1.02 pC/(m/s <sup>2</sup> )	
Measurement Range	± 1000 g pk	± 9810 m/s <sup>2</sup> pk	
Frequency Range(± 5 %)	4 kHz	4 kHz	[2]
Resonant Frequency	≥ 25 kHz	≥ 25 kHz	
Non-Linearity	≤ 1 %	≤ 1 %	[3]
Transverse Sensitivity	≤ 5 %	≤ 5 %	[4]
<b>Environmental</b>			
Overload Limit(Shock)	± 2000 g pk	± 19,620 m/s <sup>2</sup> pk	
Temperature Response	See Graph	See Graph	
Temperature Response	See Graph	See Graph	[1]
Temperature Response	See Graph	See Graph	
Base Strain Sensitivity	0.033 g/με	0.32 (m/s <sup>2</sup> )/με	[1]
Radiation Exposure Limit(Integrated Neutron Flux)	1 E10 N/cm <sup>2</sup>	1 E10 N/cm <sup>2</sup>	
Radiation Exposure Limit(Integrated Gamma Flux)	1 E8 rad	1 E8 rad	
<b>Electrical</b>			
Capacitance(Pin to Pin)	525 pF	525 pF	[1]
Capacitance(Pin to Case)	26 pF	26 pF	[1]
Capacitance(Unbalance Between Pins)	≤ 2 pF	≤ 2 pF	
Insulation Resistance((Pin to Case 70°F)	>10 <sup>8</sup> ohm	>10 <sup>8</sup> ohm	[1]
Insulation Resistance(Pin to Pin 70°F)	>10 <sup>9</sup> ohm	>10 <sup>9</sup> ohm	
Insulation Resistance(Pin to Pin 900°F)	>100 kohm	>100 kohm	
Output Polarity	Differential	Differential	
<b>Physical</b>			
Sensing Element	Ceramic	Ceramic	
Sealing	Hermetic	Hermetic	
Size (Height x Diameter)	1.0 in x 0.75 in	25.4 mm x 19 mm	
Weight	2.6 oz	75 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.

**EX - Hazardous Area Approval- contact factory for specific approvals**

	II 1 G	II 1 G
Hazardous Area Approval Ex ia IIC T4, -54°C≤Tas≤135°C,	II 1 G	II 1 G
Hazardous Area Approval Ex ia IIC T1, -54°C≤Tas≤450°C,	II 1 G	II 1 G
Hazardous Area Approval Ex nL IIC T4, -54°C≤Tas≤135°C,	II 3 G	II 3 G
Hazardous Area Approval Ex nL IIC T1, -54°C≤Tas≤450°C,	II 3 G	II 3 G

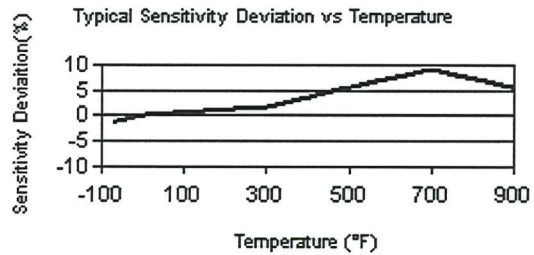
**NOTES:**

[1] Typical.  
 [2] Low frequency response is determined by external signal conditioning electronics.  
 [3] Zero-based, least-squares, straight line method.  
 [4] Transverse sensitivity is typically ≤ 3%.  
 [5] See PCB Declaration of Conformance PS081 for details.

**SUPPLIED ACCESSORIES:**

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

Entered: <i>4emil</i>	Engineer: <i>SJP</i>	Sales: <i>BWOM</i>	Approved: <i>EB</i>	Spec Number:
Date: <i>3/31/11</i>	Date: <i>3/31/11</i>	Date: <i>3/31/11</i>	Date: <i>3/31/11</i>	<b>33013</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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