

	ENGLISH	SI	
<b>Performance</b>			
Sensitivity(± 10 %)	3.0 pC/g	0.31 pC/(m/s <sup>2</sup> )	
Measurement Range	± 2300 g pk	± 22,600 m/s <sup>2</sup> pk	
Frequency Range(+5 %)	12 kHz	12 kHz	[2]
Frequency Range(+10 %)	16 kHz	16 kHz	[2]
Frequency Range(+3 dB)	26 kHz	26 kHz	[2]
Resonant Frequency	≥ 50 kHz	≥ 50 kHz	
Non-Linearity(1700 g, 16700 m/s <sup>2</sup> )	≤ 1 %	≤ 1 %	[3]
Non-Linearity	≤ 2 %	≤ 2 %	[3]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
<b>Environmental</b>			
Overload Limit(Shock)	± 10,000 g pk	± 98,000 m/s <sup>2</sup> pk	
Temperature Range	-95 to +500 °F	-71 to +260 °C	
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	0.002 g/µε	0.02 (m/s <sup>2</sup> )/µε	[1]
<b>Electrical</b>			
Capacitance	485 pF	485 pF	[1]
Insulation Resistance(at 500°F)	>10 <sup>8</sup> Ohm	>10 <sup>8</sup> Ohm	[1]
Insulation Resistance(at 70° F [21°C])	>10 <sup>12</sup> Ohm	>10 <sup>12</sup> Ohm	
Output Polarity	Negative	Negative	
<b>Physical</b>			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Welded Hermetic	Welded Hermetic	
Size (Hex x Height)	0.28 in x 0.33 in	7.1 mm x 8.4 mm	
Weight	0.071 oz	2.0 gm	[1]
Electrical Connector	5-44 Coaxial	5-44 Coaxial	
Electrical Connection Position	Side	Side	
Mounting Thread	5-40 Male	5-40 Male	
Mounting Torque	4 to 5 in-lb	45 to 57 N-cm	

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>A - Adhesive Mount</b>		
Supplied Accessory : Model 080A90 Quick Bonding Gel (1)		
<b>J - Ground Isolated</b>		
Frequency Range(+5 %)	10 kHz	10 kHz
Frequency Range(+10 %)	13.5 kHz	13.5 kHz
Resonant Frequency	≥ 49 kHz	≥ 49 kHz
Electrical Isolation(Base)	>10 <sup>8</sup> Ohm	>10 <sup>8</sup> Ohm
Size - Hex x Height	0.375 in x 0.39 in	9.5 mm x 9.91 mm
Weight	0.11 oz	3.2 gm
<b>M - Metric Mount</b>		
Mounting Thread	M3 x 0.50 Male	M3 x 0.50 Male
<b>P - Positive Output Polarity</b>		
Output Polarity	Positive	Positive
<b>W - Water Resistant Cable</b>		
Electrical Connector	Sealed Integral Cable	Sealed Integral Cable
Electrical Connection Position	Side	Side
Cable Type	003 Low-noise, blue, coaxial, PTFE cable	003 Low-noise, blue, coaxial, PTFE cable

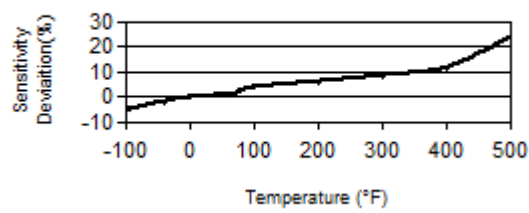
**NOTES:**  
 [1] Typical.  
 [2] Low frequency response is determined by external signal conditioning electronics.  
 [3] Zero-based, least-squares, straight line method.  
 [4] Capacitance will vary based on cable length. Typical cable capacitance is 29 pF/ft (95 pF/m).  
 [5] See PCB Declaration of Conformance PS081 for details.

**SUPPLIED ACCESSORIES:**  
 Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)

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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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