

Performance	<u>ENGLISH</u>	<u>SI</u>	
Sensitivity(± 10 %)	3 pC/g	0.31 pC/(m/s ²)	
Measurement Range	± 2300 g pk	± 22,600 m/s ² 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(1600 g, 15700 m/s ²)	≤ 1 %	≤ 1 %	[3]
Non-Linearity	≤ 2 %	≤ 2 %	[3]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit(Shock)	± 10,000 g pk	± 98,100 m/s ² 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 ²)/με	[1]
Electrical			
Capacitance	485 pF	485 pF	[1]
Insulation Resistance(at 500°F)	>10 ⁸ Ohm	>10 ⁸ Ohm	[1]
Insulation Resistance(at 70° F [21°C])	>10 ¹² Ohm	>10 ¹² Ohm	
Output Polarity	Negative	Negative	
Physical			
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 0.64 in	7.1 mm x 16.3 mm	
Weight	0.071 oz	2.0 gm	[1]
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Electrical Connection Position	Top	Top	
Mounting Thread	5-40 Male	5-40 Male	

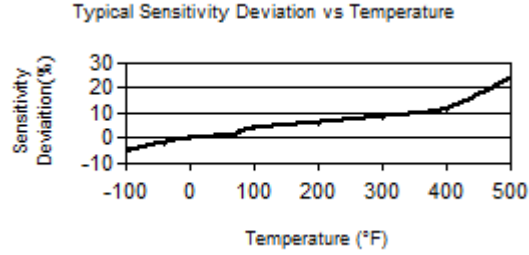
OPTIONAL VERSIONS		
Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.		
A - Adhesive Mount Supplied Accessory : Model 080A90 Quick Bonding Gel (1)		
J - Ground Isolated		
Frequency Range(+5 %)	10 kHz	10 kHz
Frequency Range(+10 %)	13.5 kHz	13.5 kHz
Resonant Frequency	>49 kHz	>49 kHz
Electrical Isolation(Base)	>10 ⁸ Ohm	>10 ⁸ Ohm
Size - Hex x Height	0.375 in x 0.72 in	9.52 mm x 18.3 mm
Weight	0.11 oz	3.2 gm
M - Metric Mount		
Mounting Thread	M3 x 0.50 Male	M3 x 0.50 Male
P - Positive Output Polarity		
Output Polarity	Positive	Positive
W - Water Resistant Cable		
Electrical Connector	Sealed Integral Cable	Sealed Integral Cable
Electrical Connection Position	Top	Top

NOTES:
 [1] Typical.
 [2] Low frequency response is determined by external signal conditioning electronics.
 [3] Zero-based, least-squares, straight line method.
 [4] 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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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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