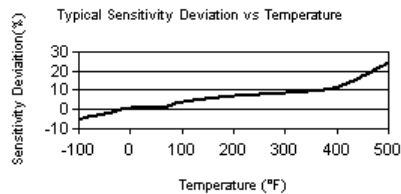


Performance	ENGLISH	SI	
Sensitivity (±10 %)	3.0 pC/g	0.31 pC/(m/s ²)	
Measurement Range	±2300 g pk	±22600 m/s ² pk	
Frequency Range (+5 %)	12 kHz	12 kHz	[2]
Frequency Range (+10 %)	16 kHz	16 kHz	[2]
Frequency Range (+3 dB)	26 kHz	26 kHz	[2]
Resonant Frequency	≥50 kHz	≥50 kHz	
Non-Linearity (1700 g, 16700 m/s ²)	≤1 %	≤1 %	[3]
Non-Linearity	≤2 %	≤2 %	[3]
Transverse Sensitivity	≤5 %	≤5 %	
Environmental			
Overload Limit (Shock)	±10000 g pk	±98000 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 70° F [21°C])	>10 ¹² ohm	>10 ¹² ohm	
Insulation Resistance (at 500°F)	>10 ⁸ ohm	>10 ⁸ ohm	[1]
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 0.33 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 standard model except where noted below. More than one option maybe used.)

A - Adhesive Mount			[5]
Supplied Accessory: Model 080A90 Quick bond Gel (for use with accelerometer adhesive mtg bases to fill gaps on rough surfaces)			
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 0.39 in	9.5 mm x 9.91 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	Side	Side	
Cable Type	003 Low-noise, blue, coaxial, Teflon cable	003 Low-noise, blue, coaxial, Teflon cable	[4]

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] Adhesive mounting base is not required. "Quick Bonding Gel" has maximum temperature range of 180 ° F (82°C).

Supplied Accessories

ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)

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