

	ENGLISH	SI	
Performance			
Sensitivity(± 10 %)	3.0 pC/g	0.31 pC/(m/s ²)	
Measurement Range	± 2,300 g pk	± 22,600 m/s ² pk	
Frequency Range(+ 5 %)	12,000 Hz	12,000 Hz	[1]
Frequency Range(+ 10 %)	16,000 Hz	16,000 Hz	[1]
Frequency Range(+ 3 dB)	26,000 Hz	26,000 Hz	[1]
Resonant Frequency	≥ 50 kHz	≥ 50 kHz	
Non-Linearity(1700 g, 16700 m/s ²)	≤ 1 %	≤ 1 %	[2]
Non-Linearity	≤ 2 %	≤ 2 %	[2]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit(Shock)	± 10,000 g pk	± 98,000 m/s ² pk	
Temperature Range	-95 to +500 °F	-71 to +260 °C	
Temperature Response	See Graph	See Graph	[3]
Base Strain Sensitivity	0.002 g/µε	0.02 (m/s ²)/µε	[3]
Electrical			
Capacitance	485 pF	485 pF	[3]
Insulation Resistance(at 500°F)	> 10 ⁸ Ohm	> 10 ⁸ Ohm	[3]
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)	.312 in x 0.43 in	7.92 mm x 10.9 mm	
Weight	0.071 oz	2.0 gm	[3]
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.		
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	0.375 in	9.5 mm
Size - Height	0.39 in	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, PTFE cable	003 Low-noise, blue, coaxial, PTFE cable

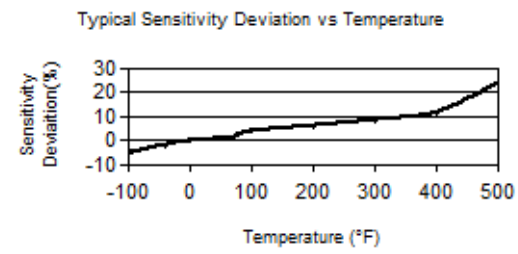
NOTES:
 [1] Low frequency response is determined by external signal conditioning electronics.
 [2] Zero-based, least-squares, straight line method.
 [3] Typical.
 [4] See PCB Declaration of Conformance PS081 for details.

SUPPLIED ACCESSORIES:
 Model 080A90 Quick Bonding Gel (1)
 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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