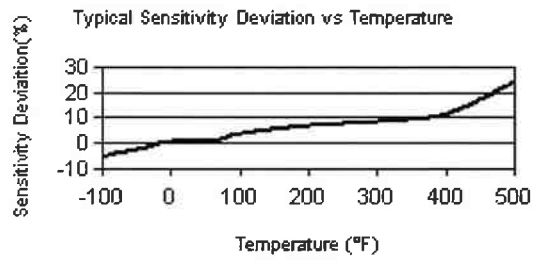


	ENGLISH	SI	
Performance			
Sensitivity(± 15 %)	2.9 pC/g	0.3 pC/(m/s ²)	
Measurement Range	± 2300 g pk	± 22,600 m/s ² pk	
Frequency Range(+5 %)	12 kHz	12 kHz	[2]
Frequency Range(+10 %)	16 kHz	16 kHz	[2]
Frequency Range(+3 dB)	26 kHz	26 kHz	[2]
Resonant Frequency	≥ 50 kHz	≥ 50 kHz	
Non-Linearity(1600 g, 15700 m/s ²)	≤ 1 %	≤ 1 %	[3]
Non-Linearity	≤ 2 %	≤ 2 %	[3]
Transverse Sensitivity	≤ 5 %	≤ 5 %	[4]
Environmental			
Overload Limit(Shock)	± 10,000 g pk	± 98,100 m/s ² pk	
Temperature Range	-95 to 500 °F	-70 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 [260°C])	>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)	0.31 in x 0.43 in	8.0 mm x 10.9 mm	
Weight	0.07 oz	2.0 gm	[1]
Electrical Connector	M3 Coaxial Jack	M3 Coaxial Jack	
Electrical Connection Position	Side	Side	
Mounting Thread	M3 x 0.50 Male	M3 x 0.50 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		[5]
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	>10 ⁸ ohm	>10 ⁸ ohm
Size - Hex x Height	0.39 in x 0.48 in	10.0 mm x 12.1 mm
Weight	0.11 oz	3.0 gm
P - Positive Output Polarity		
Output Polarity	Positive	Positive

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

SUPPLIED ACCESSORIES:
 Model 080A109 Petro Wax (1)
 Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point).
 Model M080A15 Adhesive Mounting Base (1)



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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Entered: BLS	Engineer: LRB	Sales: WOC	Approved: FB	Spec Number:
Date: 3/2/09	Date: 2/10/09	Date: 2/11/09	Date: 2/23/09	14252

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