

	ENGLISH	SI	
Performance			
Sensitivity(± 15 %)	15 pC/g	1.53 pC/(m/s ²)	
Measurement Range	± 1800 g pk	± 17,600 m/s ² pk	
Frequency Range(+5 %)	9 kHz	9 kHz	[2]
Frequency Range(+10 %)	10 kHz	10 kHz	[2]
Frequency Range(+3 dB)	16 kHz	16 kHz	[2]
Resonant Frequency	≥ 34 kHz	≥ 34 kHz	
Non-Linearity	≤ 1 %	≤ 1 %	[3]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit(Shock)	± 15,000 g pk	± 147,000 m/s ² pk	
Temperature Range	-95 to +500 °F	-71 to +260 °C	
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	0.0006 g/με	0.006 (m/s ²)/με	[1]
Electrical			
Capacitance	930 pF	930 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	Hermetic	Hermetic	
Size (Hex x Height)	1/2 in x 0.81 in	1/2 in x 20.6 mm	[1]
Weight	0.43 oz	12 gm	
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Electrical Connection Position	Side	Side	
Mounting Thread	10-32 Female	10-32 Female	

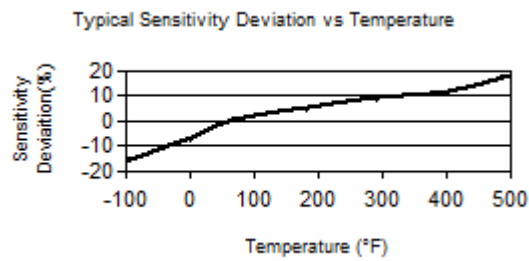
OPTIONAL VERSIONS		
Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.		
J - Ground Isolated		
Frequency Range(+5 %)	7 kHz	7 kHz
Frequency Range(+10 %)	8 kHz	8 kHz
Resonant Frequency	≥ 30 kHz	≥ 30 kHz
Electrical Isolation(Base)	>10 ⁸ Ohm	>10 ⁸ Ohm
Size - Hex x Height	0.5 in x 0.86 in	12.7 mm x 21.8 mm
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

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 PS160 for details.

SUPPLIED ACCESSORIES:
 Model 080A109 Petro Wax (1)
 Model 081B05 Mounting Stud (10-32 to 10-32) (1)
 Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)
 Model M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)

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	Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com
3425 Walden Avenue, Depew, NY 14043	



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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