

Performance	ENGLISH	SI	
Sensitivity (±15 %)	10 pC/g	1.02 pC/(m/s ²)	
Measurement Range	±2000 g pk	±19600 m/s ² pk	
Frequency Range (+5 %)	9 kHz	9 kHz	[2]
Frequency Range (+10 %)	12 kHz	12 kHz	[2]
Frequency Range (+3 dB)	18 kHz	18 kHz	[2]
Resonant Frequency	≥38 kHz	≥38 kHz	
Non-Linearity	≤1 %	≤1 %	[3]
Transverse Sensitivity	≤5 %	≤5 %	
Environmental			
Overload Limit (Shock)	±21000 g pk	±206010 m/s ² pk	
Base Strain Sensitivity	0.0002 g/με	0.002 (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	
Weight	0.39 oz	11 gm	[1]
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 standard model except where noted below. More than one option maybe used.)

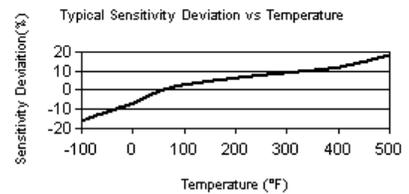
J - Ground Isolated		
Frequency Range (+5 %)	7000 Hz	7000 Hz
Frequency Range (+10 %)	8000 Hz	8000 Hz
Resonant Frequency	≥30 kHz	≥30 kHz
Electrical Isolation (Base)	>10 ⁸ Ohm	>10 ⁸ Ohm
P - Positive Output Polarity		
Output Polarity	Positive	Positive
W - Water Resistant Cable		
Electrical Connector	Sealed 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.

Supplied Accessories

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



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