

	ENGLISH	SI	
Performance			
Sensitivity(± 10 %)	10 mV/g	1.02 mV/(m/s ²)	
Measurement Range	± 150 g pk	± 1472 m/s ² pk	
Frequency Range(± 5 %)	1 to 6000 Hz	1 to 6000 Hz	
Frequency Range(± 10 %)	0.7 to 9000 Hz	0.7 to 9000 Hz	
Frequency Range(± 3 dB)	0.35 to 15,000 Hz	0.35 to 15,000 Hz	
Resonant Frequency	≥ 35 kHz	≥ 35 kHz	
Broadband Resolution	0.01 g rms	0.1 m/s ² rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 5 %	≤ 5 %	[3]
Environmental			
Overload Limit	± 5000 g pk	± 49,050 m/s ² pk	
Temperature Range	-320 to +250 °F	-196 to +121 °C	
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	<0.0005 g/με	<0.005 (m/s ²)/με	[1]
Electrical			
Excitation Voltage	20 to 30 VDC	20 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤ 200 Ohm	≤ 200 Ohm	
Output Bias Voltage	3 to 10 VDC	3 to 10 VDC	
Discharge Time Constant	>0.5 sec	>0.5 sec	
Spectral Noise(10 Hz)	220 μg/√Hz	2156 (μm/sec ²)/√Hz	[1]
Spectral Noise(100 Hz)	62 μg/√Hz	607 (μm/sec ²)/√Hz	[1]
Spectral Noise(1 kHz)	16 μg/√Hz	156 (μm/sec ²)/√Hz	[1]
Physical			
Weight	0.33 oz	9.4 gm	[1]
Sensing Element	Quartz	Quartz	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Welded Hermetic	Welded Hermetic	
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Electrical Connection Position	Side	Side	
Mounting Thread	10-32 Female	10-32 Female	

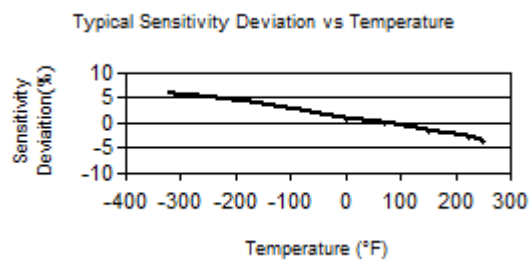
OPTIONAL VERSIONS		
Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.		
J - Ground Isolated		
Frequency Range(5 %)	5 kHz	5 kHz
Frequency Range(10 %)	8 Hz	8 Hz
Resonant Frequency	≥ 22 kHz	≥ 22 kHz
Electrical Isolation(Base)	>10 ⁸ Ohm	>10 ⁸ Ohm
Size - Hex x Height	0.50 in x 0.86 in	12.7 mm x 21.8 mm

NOTES:
 [1] Typical.
 [2] Zero-based, least-squares, straight line method.
 [3] Transverse sensitivity is typically ≤ 3%.
 [4] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:
 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)

Entered: LK	Engineer: LM	Sales: WDC	Approved: JJB	Spec Number:
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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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