

	ENGLISH	SI	
Performance			
Sensitivity(± 5 %)	10.0 V/g	1.02 V/(m/s ²)	[1]
Measurement Range	0.5 g pk	4.9 m/s ² pk	
Frequency Range(± 5 %)	0.1 to 200 Hz	0.1 to 200 Hz	
Frequency Range(± 10 %)	0.07 to 300 Hz	0.07 to 300 Hz	
Resonant Frequency	≥ 950 Hz	≥ 950 Hz	
Broadband Resolution(0.1 to 1,000 Hz)	0.2 µg rms	2.0 µm/sec ² rms	[2]
Non-Linearity	≤ 1 %	≤ 1 %	[3]
Transverse Sensitivity	≤ 3 %	≤ 3 %	[2]
Environmental			
Overload Limit(Shock)	± 250 g pk	± 2,453 m/s ² pk	
Temperature Range	-15 to +150 °F	-26 to +65 °C	
Temperature Response	See Graph	See Graph	
Base Strain Sensitivity	≤ 0.0002 g/µε	≤ 0.002 (m/s ²)/µε	
Electrical			
Excitation Voltage	18 to 28 VDC	18 to 28 VDC	
Constant Current Excitation	2 to 10 mA	2 to 10 mA	
Output Impedance	≤ 500 Ohm	≤ 500 Ohm	
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC	
Discharge Time Constant	≥ 5 sec	≥ 5 sec	
Settling Time(within 10% of bias)	60 sec	60 sec	
Spectral Noise(0.1 Hz)	0.232 µg/√Hz	2.28 (µm/sec ²)/√Hz	[2]
Spectral Noise(1 Hz)	0.038 µg/√Hz	0.372 (µm/sec ²)/√Hz	[2]
Spectral Noise(10 Hz)	0.012 µg/√Hz	0.118 (µm/sec ²)/√Hz	[2]
Spectral Noise(100 Hz)	0.006 µg/√Hz	0.059 (µm/sec ²)/√Hz	[2]
Electrical Isolation(Case)	≥ 10 ⁸ Ohm	≥ 10 ⁸ Ohm	
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Flexural	Flexural	
Housing Material	Stainless Steel	Stainless Steel	
Sealing	Hermetic	Hermetic	
Size (Diameter x Height)	2.25 in x 2.76 in	57.2 mm x 70.0 mm	
Weight	26.4 oz	748 gm	[2]
Electrical Connector	2-Pin MIL-C-5015	2-Pin MIL-C-5015	
Electrical Connection Position	Top	Top	
Mounting Thread	1/4-28 Female	1/4-28 Female	
Mounting Torque	2 to 5 ft-lb	2.7 to 6.8 Nm	

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.

NOTES:

[1] Measured at 10 Hz, 0.1 grms
 [2] Typical.
 [3] Zero-based, least-squares, straight line method.
 [4] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:

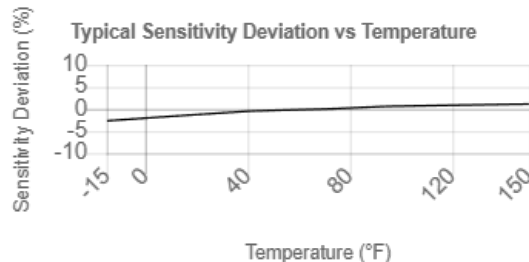
Model 081B20 Mounting Stud, with shoulder (1/4-28 to 1/4-28) (1)
 Model ACS-11 NIST traceable amplitude and phase response from 0.5 Hz to upper 5% frequency (1)
 Model M081B20 Mounting Stud 1/4-28 to M6 X 0.75 (1)

Entered: ND	Engineer: LAB	Sales: KK	Approved: NJF	Spec Number:
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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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 This model, designated with an RH prefix, is RoHS compliant. For further details, and to obtain PCB's RoHS Statement of