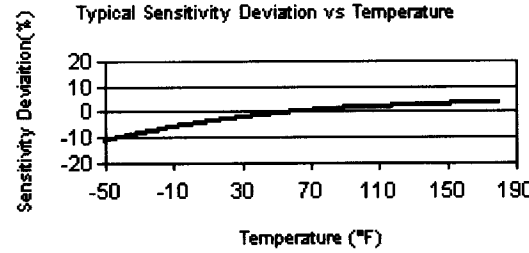


| | ENGLISH | SI | |
|--------------------------------------|-----------------------|--------------------------------|-----|
| Performance | | | |
| Sensitivity(± 10 %) | 10,000 mV/g | 1019.4 mV/(m/s ²) | |
| Measurement Range | 0.5 g pk | 4.9 m/s ² pk | |
| Frequency Range(± 5 %) | 0.15 to 1000 Hz | 0.15 to 1000 Hz | |
| Frequency Range(± 10 %) | 0.10 to 2000 Hz | 0.10 to 2000 Hz | |
| Frequency Range(± 3 dB) | 0.05 to 4000 Hz | 0.05 to 4000 Hz | |
| Resonant Frequency | ≥ 10 kHz | ≥ 10 kHz | |
| Phase Response(± 5 °) | 1 to 1000 Hz | 1 to 1000 Hz | |
| Broadband Resolution(1 to 10,000 Hz) | 0.000008 g rms | 0.00008 m/s ² rms | [1] |
| Non-Linearity | ≤ 1 % | ≤ 1 % | [2] |
| Transverse Sensitivity | ≤ 7.0 % | ≤ 7.0 % | |
| Environmental | | | |
| Overload Limit(Shock) | ± 5000 g pk | ± 49,050 m/s ² pk | |
| Temperature Range | -50 to +180 °F | -45 to +82 °C | |
| Temperature Response | See Graph | See Graph | |
| Base Strain Sensitivity | ≤ 0.0005 g/µε | ≤ 0.005 (m/s ²)/µε | [1] |
| Electrical | | | |
| Excitation Voltage | 18 to 30 VDC | 18 to 30 VDC | |
| Constant Current Excitation | 2 to 20 mA | 2 to 20 mA | |
| Output Impedance | <1500 ohm | <1500 ohm | |
| Output Bias Voltage | 8 to 12 VDC | 8 to 12 VDC | |
| Discharge Time Constant | ≥ 3.5 sec | ≥ 3.5 sec | |
| Settling Time | <60 sec | <60 sec | |
| Spectral Noise(1 Hz) | 1.30 µg/√Hz | 12.7 (µm/s ²)/√Hz | [1] |
| Spectral Noise(10 Hz) | 0.32 µg/√Hz | 3.1 (µm/s ²)/√Hz | [1] |
| Spectral Noise(100 Hz) | 0.13 µg/√Hz | 1.3 (µm/s ²)/√Hz | [1] |
| Spectral Noise(1 kHz) | 0.10 µg/√Hz | 1.0 (µm/s ²)/√Hz | [1] |
| Electrical Isolation(Case) | ≥ 10 ⁸ ohm | ≥ 10 ⁸ ohm | |
| Physical | | | |
| Sensing Element | Ceramic | Ceramic | |
| Sensing Geometry | Shear | Shear | |
| Housing Material | Stainless Steel | Stainless Steel | |
| Sealing | Hermetic | Hermetic | |
| Size (Hex x Height) | 1 3/16 in x 2 3/16 in | 30.2 mm x 55.6 mm | |
| Weight | 7.4 oz | 210 gm | [1] |
| 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 N-m | |

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] Typical.
 [2] Zero-based, least-squares, straight line method.
 [3] 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 085A31 Protective Thermal Jacket (1)
 Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)
 Model ACS-4 Single-axis, low frequency phase and amplitude response calibration. (1)
 Model M081B20 Mounting Stud 1/4-28 to M6 X 0.75 (1)



| | | | | |
|--------------------|----------------------|------------------|---------------------|--------------|
| Entered: <i>JR</i> | Engineer: <i>JLB</i> | Sales: <i>wa</i> | Approved: <i>MT</i> | Spec Number: |
| Date: 2-21-07 | Date: 2/27/07 | Date: 2/23/07 | Date: 2/23/07 | 393-2120-80 |

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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