

| | ENGLISH | SI | |
|--------------------------------------|-----------------------|---------------------------------|-----|
| Performance | | | |
| Sensitivity(± 5 %) | 100 mV/g | 10.2 mV/(m/s ²) | [1] |
| Measurement Range | ± 50 g | ± 490 m/s ² | |
| Frequency Range(± 10 %) | 68 to 720,000 cpm | 1.13 to 12,000 Hz | |
| Frequency Range(± 3 dB) | 32 to 900,000 cpm | 0.53 to 15,000 Hz | |
| Resonant Frequency | 1,800 kcpm | 30 kHz | [2] |
| Broadband Resolution(1 to 10,000 Hz) | 240 µg | 2,354 µm/sec ² | [2] |
| Non-Linearity | ± 1 % | ± 1 % | [3] |
| Transverse Sensitivity | ≤ 5 % | ≤ 5 % | |
| Environmental | | | |
| Overload Limit(Shock) | 5,000 g pk | 49,050 m/s ² pk | |
| Temperature Range | -65 to +250 °F | -54 to +121 °C | |
| Temperature Response | See Graph | See Graph | [2] |
| Electrical | | | |
| Settling Time(within 1% of bias) | ≤ 2 sec | ≤ 2 sec | |
| Discharge Time Constant | ≥ 0.3 sec | ≥ 0.3 sec | |
| Excitation Voltage | 18 to 28 VDC | 18 to 28 VDC | |
| Constant Current Excitation | 2 to 20 mA | 2 to 20 mA | |
| Output Impedance | < 150 Ohm | < 150 Ohm | |
| Output Bias Voltage | 8 to 12 VDC | 8 to 12 VDC | |
| Spectral Noise(10 Hz) | 8 µg/√Hz | 78.5 (µm/sec ²)/√Hz | [2] |
| Spectral Noise(100 Hz) | 2 µg/√Hz | 19.6 (µm/sec ²)/√Hz | [2] |
| Spectral Noise(1 kHz) | 1 µg/√Hz | 9.81 (µm/sec ²)/√Hz | [2] |
| Electrical Isolation | > 10 ⁸ Ohm | > 10 ⁸ Ohm | |
| Physical | | | |
| Size (Diameter x Height) | 1.13 in x .82 in | 28.7 mm x 20.8 mm | |
| Weight | 3 oz | 86 gm | |
| Mounting | Stud | Stud | |
| Mounting Thread | 1/4-28 Male | Not Applicable | [4] |
| Mounting Torque | 2 to 5 ft-lb | 2.7 to 6.8 Nm | |
| Sensing Element | Ceramic | Ceramic | |
| Sensing Geometry | Shear | Shear | |
| Housing Material | Stainless Steel | Stainless Steel | |
| Sealing | Welded Hermetic | Welded Hermetic | |
| Electrical Connector | 2-Pin MIL-C-5015 | 2-Pin MIL-C-5015 | |
| Electrical Connection Position | Side | Side | |

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.

M - Metric Mount
 Supplied Accessory: Model M081B97 Captive Mounting Bolt, M6 x 1 x 25 mm long, hex head (1)

NOTES:

[1] Conversion Factor 1g = 9.81 m/s².
 [2] Typical.
 [3] Zero-based, least-squares, straight line method.
 [4] 1/4-28 has no equivalent in S.I. units.
 [5] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:

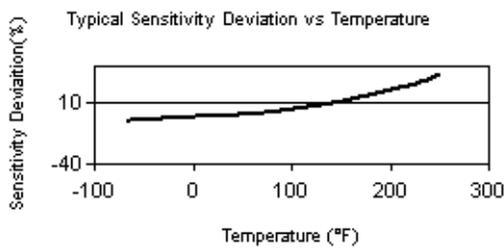
Model 081B97 Captive Mounting Bolt 316SS - 7/16 HEX 1/4-28 UNF (1)
 Model ICS-8 NIST-traceable single-axis amplitude response calibration from 600 cpm (10Hz) to upper 10% frequency. (1)

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| Entered: ND | Engineer: BAM | Sales: JL | Approved: NJF | Spec Number: |
| Date: 01/18/2023 | Date: 01/18/2023 | Date: 01/18/2023 | Date: 01/18/2023 | 16448 |



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All specifications are at room temperature unless otherwise specified.
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