

| | ENGLISH | SI | |
|--------------------------------------|--------------------|-----------------------------------|-----|
| Performance | | | |
| Sensitivity(± 10 %) | 5.5 mV/g | 0.56 mV/(m/s ²) | |
| Measurement Range | ± 1,000 g pk | ± 9,810 m/s ² pk | |
| Frequency Range(± 5 %) | 1.25 to 6,500 Hz | 1.25 to 6,500 Hz | |
| Frequency Range(± 10 %) | 0.9 to 10,000 Hz | 0.9 to 10,000 Hz | |
| Frequency Range(± 3 dB) | 0.35 to 20,000 Hz | 0.35 to 20,000 Hz | |
| Resonant Frequency | ≥ 40 kHz | ≥ 40 kHz | |
| Broadband Resolution(1 to 10,000 Hz) | .01 g rms | .1 m/s ² rms | [1] |
| Non-Linearity | ± 1 % | ± 1 % | [2] |
| Transverse Sensitivity | ≤ 5 % | ≤ 5 % | [3] |
| Environmental | | | |
| Overload Limit(Shock) | ± 10,000 g pk | ± 98,100 m/s ² pk | |
| Temperature Range(Operating) | -320 to +250 °F | -196 to +121 °C | |
| Temperature Range(Storage) | -420 to +250 °F | -251 to +121 °C | |
| Temperature Response | See Graph | See Graph | [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 | ≤ 200 Ohm | ≤ 200 Ohm | |
| Output Bias Voltage | 7 to 12 VDC | 7 to 12 VDC | |
| Discharge Time Constant | 0.5 to 2 sec | 0.5 to 2 sec | |
| Settling Time(within 10% of bias) | <10 sec | <10 sec | |
| Spectral Noise(1 Hz) | 6,400 µg/√Hz | 62,784 (µm/sec ²)/√Hz | |
| Spectral Noise(10 Hz) | 1,000 µg/√Hz | 9,800 (µm/sec ²)/√Hz | |
| Spectral Noise(100 Hz) | 200 µg/√Hz | 1,960 (µm/sec ²)/√Hz | |
| Spectral Noise(1,000 Hz) | 50 µg/√Hz | 490 (µm/sec ²)/√Hz | |
| Physical | | | |
| Size (Height x Hex) | 0.77 in x 9/32 in | 19.6 mm x 9/32 in | |
| Weight | 0.07 oz | 2.0 gm | [1] |
| Sensing Element | Quartz | Quartz | |
| Sensing Geometry | Shear | Shear | |
| Housing Material | Titanium | Titanium | |
| Sealing | Hermetic | Hermetic | |
| Electrical Connector | 10-32 Coaxial Plug | 10-32 Coaxial Plug | |
| Electrical Connection Position | Top | Top | |
| Mounting Thread | M5 x 0.80 Female | M5 x 0.80 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.

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:

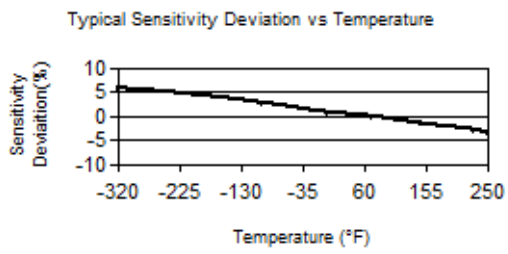
Model 081M60 Mounting Stud, M5x0.8 to M5x0.8 (1)
 Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)
 Model M081B23 Metric mounting stud, 10-32 to M5x0.80 (1)

| | | | | |
|------------------|------------------|------------------|------------------|--------------|
| Entered: ND | Engineer: KW | Sales: RWM | Approved: BAM | Spec Number: |
| Date: 06/12/2023 | Date: 06/12/2023 | Date: 06/12/2023 | Date: 06/12/2023 | 76141 |


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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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