

| | ENGLISH | SI | |
|--------------------------------------|-----------------------------|-----------------------------------|--------|
| Performance | | | |
| Sensitivity(± 20 %) | 5 mV/g | 0.51 mV/(m/s ²) | |
| Measurement Range | ± 1,000 g pk | ± 9,810 m/s ² pk | |
| Frequency Range(± 5 %)(y or z axis) | 2 to 8,000 Hz | 2 to 8,000 Hz | |
| Frequency Range(± 5 %)(x axis) | 2 to 5,000 Hz | 2 to 5,000 Hz | |
| Frequency Range(+ 1 dB)(x axis) | ≥ 8 kHz | ≥ 8 kHz | |
| Resonant Frequency | ≥ 50 kHz | ≥ 50 kHz | |
| Broadband Resolution(1 to 10,000 Hz) | 0.003 g rms | 0.03 m/s ² rms | [1] |
| Non-Linearity | ≤ 1 % | ≤ 1 % | [2] |
| Transverse Sensitivity | ≤ 5 % | ≤ 5 % | |
| Environmental | | | |
| Overload Limit(Shock) | ± 10,000 g pk | ± 98,100 m/s ² pk | |
| Temperature Range(Operating) | -65 to +250 °F | -54 to +121 °C | |
| Temperature Response | See Graph | See Graph | [1][3] |
| 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 | 0.24 to 1.0 sec | 0.24 to 1.0 sec | |
| Settling Time(within 10% of bias) | < 3 sec | < 3 sec | |
| Spectral Noise(1 Hz) | 1,200 µg/√Hz | 11,772 (µm/sec ²)/√Hz | [1] |
| Spectral Noise(10 Hz) | 300 µg/√Hz | 2,943 (µm/sec ²)/√Hz | [1] |
| Spectral Noise(100 Hz) | 100 µg/√Hz | 981 (µm/sec ²)/√Hz | [1] |
| Spectral Noise(1 kHz) | 30 µg/√Hz | 294 (µm/sec ²)/√Hz | [1] |
| Physical | | | |
| Sensing Element | Ceramic | Ceramic | |
| Sensing Geometry | Shear | Shear | |
| Housing Material | Titanium | Titanium | |
| Sealing | Hermetic | Hermetic | |
| Size (Height x Length x Width) | 0.25 in x 0.25 in x 0.25 in | 6.35 mm x 6.35 mm x 6.35 mm | |
| Weight | 0.04 oz | 1.0 gm | [1] |
| Electrical Connector | 8-36 4-Pin | 8-36 4-Pin | |
| Electrical Connection Position | Side | Side | |
| Mounting | Adhesive | Adhesive | |

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]250° F to 356° F data valid with HT option only.
 [4]See PCB Declaration of Conformance PS023 for details.

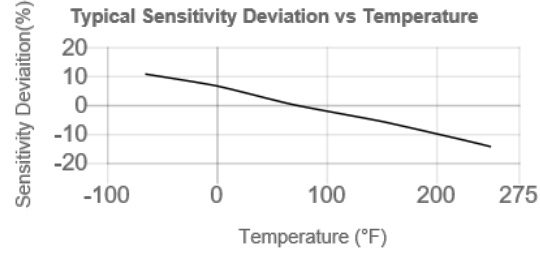
SUPPLIED ACCESSORIES:

Model 034K10 Cable 10FT Mini 4 Pin To (3) BNC (1)
 Model 080A109 Petro Wax (1)
 Model 080A90 Quick Bonding Gel (1)
 Model ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)

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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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