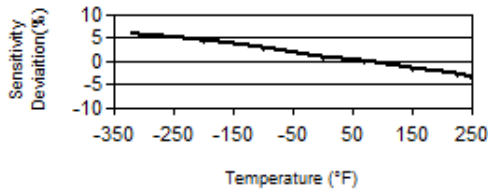


| Performance | ENGLISH | SI | |
|--------------------------------------|--------------------|-----------------------------------|-----|
| Sensitivity(± 10 %) | 5 mV/g | 0.51 mV/(m/s ²) | |
| Measurement Range | ± 300 g pk | ± 2943 m/s ² pk | |
| Frequency Range(± 5 %) | 1 to 8000 Hz | 1 to 8000 Hz | |
| Frequency Range(± 10 %) | 0.7 to 10,000 Hz | 0.7 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) | 0.01 g rms | 0.1 m/s ² rms | [1] |
| Non-Linearity | ≤ 1 % | ≤ 1 % | [2] |
| Transverse Sensitivity | ≤ 5 % | ≤ 5 % | [3] |
| Environmental | | | |
| Overload Limit | ± 10,000 g pk | ± 98,100 m/s ² pk | |
| Temperature Range | -320 to +250 °F | -196 to +121 °C | |
| Temperature Response | See Graph | See Graph | [1] |
| Base Strain Sensitivity | ≤ 0.005 g/µε | ≤ 0.05 (m/s ²)/µε | [1] |
| Electrical | | | |
| Excitation Voltage | 20 to 30 VDC | 20 to 30 VDC | |
| Constant Current Excitation | 2 to 20 mA | 2 to 20 mA | |
| Output Impedance | ≤ 200 Ohm | ≤ 200 Ohm | |
| Output Bias Voltage | 3 to 10 VDC | 3 to 10 VDC | |
| Discharge Time Constant | 0.5 to 2.0 sec | 0.5 to 2.0 sec | |
| Spectral Noise(1 Hz) | 2000 µg/√Hz | 19,620 (µm/sec ²)/√Hz | [1] |
| Spectral Noise(10 Hz) | 400 µg/√Hz | 3924 (µm/sec ²)/√Hz | [1] |
| Spectral Noise(100 Hz) | 120 µg/√Hz | 1177 (µm/sec ²)/√Hz | [1] |
| Spectral Noise(1 kHz) | 30 µg/√Hz | 294 (µm/sec ²)/√Hz | [1] |
| Physical | | | |
| Size (Height x Hex) | 0.74 in x 0.28 in | 18.8 mm x 7.1 mm | |
| Weight | 0.06 oz | 1.8 gm | [1] |
| Sensing Element | Quartz | Quartz | |
| Sensing Geometry | Shear | Shear | |
| Housing Material | Titanium | Titanium | |
| Sealing | Hermetic | Hermetic | |
| Electrical Connector | 10-32 Coaxial Jack | 10-32 Coaxial Jack | |
| Electrical Connection Position | Top | Top | |
| Mounting Thread | 5-40 Male | 5-40 Male | |
| Mounting Torque | 8 to 12 in-lb | 90 to 135 N-cm | |

Typical Sensitivity Deviation vs Temperature



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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| 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. | | |
| A - Adhesive Mount | | |
| J - Ground Isolated | | |
| Frequency Range(5 %) | 8 kHz | 8 Hz |
| Frequency Range(10 %) | 10 kHz | 10 Hz |
| Resonant Frequency | ≥ 36 kHz | ≥ 36 kHz |
| Electrical Isolation(Base) | >10 ⁸ Ohm | >10 ⁸ Ohm |
| Size - Hex x Height | 0.37 in x 0.86 in | 9.5 mm x 21.8 mm |
| Weight | 0.10 oz | 3.0 gm |
| M - Metric Mount | | |
| Mounting Thread | M3 x 0.50 Male | M3 x 0.50 Male |
| W - Water Resistant Cable | | |
| Electrical Connector | Sealed Integral Cable | Sealed Integral Cable |
| Electrical Connection Position | Top | Top |

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 ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)

| | | | | |
|-----------------|-----------------|-----------------|-----------------|--------------------|
| Entered: LK | Engineer: LM | Sales: WDC | Approved: JJB | Spec Number: |
| Date: 4/19/2018 | Date: 4/19/2018 | Date: 4/19/2018 | Date: 4/19/2018 | 351-2140-80 |