

| Performance | ENGLISH | SI | |
|--------------------------------------|----------------------------|---------------------------------|-----|
| Sensitivity(± 15 %) | 10 mV/g | 1.0 mV/(m/s ²) | |
| Measurement Range | ± 500 g pk | ± 4900 m/s ² pk | |
| Frequency Range(± 5 %) | 1.0 to 10,000 Hz | 1.0 to 10,000 Hz | |
| Frequency Range(± 10 %) | 0.7 to 20,000 Hz | 0.7 to 20,000 Hz | |
| Frequency Range(± 3 dB) | 0.5 to 30,000 Hz | 0.5 to 30,000 Hz | |
| Resonant Frequency | ≥ 65 kHz | ≥ 65 kHz | |
| Broadband Resolution(1 to 10,000 Hz) | .005 g rms | .05 m/s ² rms | [1] |
| Non-Linearity | ≤ 1 % | ≤ 1 % | [2] |
| TEDS Compliant(Per IEEE 1451.4) | Yes | Yes | [3] |
| Transverse Sensitivity | ≤ 5 % | ≤ 5 % | |
| Environmental | | | |
| Overload Limit(Shock) | ± 10,000 g pk | ± 98,000 m/s ² pk | |
| Temperature Range(Operating) | -65 to +250 °F | -54 to +121 °C | |
| Temperature Response | See Graph | See Graph | |
| Electrical | | | |
| Excitation Voltage | 18 to 30 VDC | 18 to 30 VDC | |
| Constant Current Excitation | 2 to 20 mA | 2 to 20 mA | |
| Output Impedance | ≤ 50 Ohm | ≤ 50 Ohm | |
| Output Bias Voltage | 7 to 12 VDC | 7 to 12 VDC | |
| Discharge Time Constant | 1.0 to 3.5 sec | 1.0 to 3.5 sec | |
| Settling Time(within 10% of bias) | <3.5 sec | <3.5 sec | |
| Spectral Noise(1 Hz) | 225 µg/√Hz | 2205 (µm/sec ²)/√Hz | [1] |
| Spectral Noise(10 Hz) | 50 µg/√Hz | 490 (µm/sec ²)/√Hz | [1] |
| Spectral Noise(100 Hz) | 10 µg/√Hz | 98 (µm/sec ²)/√Hz | [1] |
| Spectral Noise(1 kHz) | 8 µg/√Hz | 78 (µm/sec ²)/√Hz | [1] |
| Spectral Noise(10 kHz) | 5 µg/√Hz | 49 (µm/sec ²)/√Hz | [1] |
| Physical | | | |
| Size (Height x Length x Width) | .22 in x 0.48 in x 0.25 in | 5.6 mm x 12.2 mm x 6.4 mm | |
| Weight | .03 oz | .9 gm | [1] |
| Sensing Element | Ceramic | Ceramic | |
| Sensing Geometry | Shear | Shear | |
| Housing Material | Titanium | Titanium | |
| Sealing | Hermetic | Hermetic | |
| Electrical Connector | M3 Coaxial Jack | M3 Coaxial Jack | |
| 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.

TLA - TEDS LMS International - Free Format

TLB - TEDS LMS International - Automotive Format

TLC - TEDS LMS International - Aeronautical Format

NOTES:

[1] Typical.

[2] Zero-based, least-squares, straight line method.

[3] TEDS Capable Digital Memory and Communication, compliant with IEEE P1451.4

[4] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:

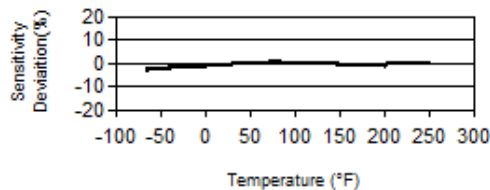
Model 030B10 Miniature low-noise PTFE cable, 10-ft, M3 plug to 10-32 plug (1)

Model 039A38 One-piece removal tool for model 352A71 (1)

Model 080A109 Petro Wax (1)

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

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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|-----------------|-----------------|-----------------|-----------------|--------------|
| Entered: LK | Engineer: LM | Sales: WDC | Approved: JJB | Spec Number: |
| Date: 9/25/2018 | Date: 9/25/2018 | Date: 9/25/2018 | Date: 9/25/2018 | 68012 |