

Performance
Sensitivity(± 10 %) 5.1 mV/(m/s²)
Measurement Range ± 981 m/s² pk
Frequency Range(± 5 %) 1 to 4000 Hz
(± 10 %) 0.7 to 5000 Hz
Resonant Frequency ≥ 25 kHz
Broadband Resolution(1 to 10,000 Hz) 0.003 m/s² rms
Non-Linearity ≤ 1 %
Transverse Sensitivity ≤ 5 %
Environmental
Overload Limit(Shock) ± 5000 g pk
Temperature Range(Operating) -65 to +250 °F
See Graph
Base Strain Sensitivity 0.001 g/μe

Electrical
Excitation Voltage 23 to 30 VDC
Constant Current Excitation 2 to 20 mA
Output Impedance ≤ 200 ohm
Output Bias Voltage 7 to 16 VDC
Discharge Time Constant 0.4 to 1.5 sec
Settling Time(within 10% of bias) <5 sec
Spectral Noise(1 Hz) 190 μg/√Hz
(10 Hz) 35 μg/√Hz
(100 Hz) 20 μg/√Hz
(1 kHz) 3 μg/√Hz
(10 kHz) 3 μg/√Hz

Physical
Sensing Element Ceramic
Sensing Geometry Shear
Housing Material Titanium
Sealing Hermetic
Size (Height x Length x Width) 0.45 in x 0.82 in x 0.45 in 11.4 mm x 20.8 mm x 11.4 mm
Weight(without cable) 0.23 oz
Electrical Connector 1/4-28 4-Pin
Electrical Connection Position Side
Mounting Adhesive

SI
5.1 mV/(m/s²)
± 981 m/s² pk
1 to 4000 Hz
0.7 to 5000 Hz
≥ 25 kHz
0.003 m/s² rms
≤ 1 %
≤ 5 %
± 5000 m/s² pk
-65 to +250 °F
See Graph
0.01 (m/s²)/μe
23 to 30 VDC
2 to 20 mA
≤ 200 ohm
7 to 16 VDC
0.4 to 1.5 sec
<5 sec
1864 (μm/sec²)/√Hz
345 (μm/sec²)/√Hz
196 (μm/sec²)/√Hz
29.4 (μm/sec²)/√Hz
29.4 (μm/sec²)/√Hz

ENGLISH
50 mV/g
± 100 g pk
1 to 4000 Hz
0.7 to 5000 Hz
≥ 25 kHz
0.003 g rms
≤ 1 %
≤ 5 %
± 5000 g pk
-65 to +250 °F
See Graph
0.001 g/μe
23 to 30 VDC
2 to 20 mA
≤ 200 ohm
7 to 16 VDC
0.4 to 1.5 sec
<5 sec
190 μg/√Hz
35 μg/√Hz
20 μg/√Hz
3 μg/√Hz
3 μg/√Hz

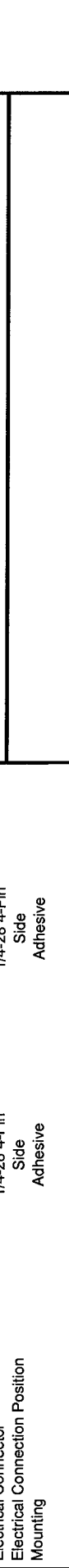
OPTIONAL VERSIONS
Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.
HT - High temperature, extends normal operation temperatures
Sensitivity(± 20 %) 50 mV/g
Frequency Range(± 5 %) 4 to 4000 Hz
(± 10 %) 3 to 5000 Hz
Temperature Range(Operating) -65 to +325 °F
Discharge Time Constant 0.1 to 0.6 sec
T - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4
TLA - TEDS LMS International - Free Format
TLB - TEDS LMS International - Automotive Format
TLC - TEDS LMS International - Aeronautical Format
TLD - TEDS Capable of Digital Memory and Communication Compliant with IEEE 1451.4
Excitation Voltage 24 to 30 VDC
Output Bias Voltage 7.5 to 17 VDC

NOTES:
[1] Full range requires adequate excitation voltage.
[2] Typical.
[3] Zero-based, least-squares, straight line method.
[4] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:
Model 080A109 Petro Wax (1)
Model ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)

Entered: <i>Jet</i>	Engineer: <i>MM</i>	Sales: <i>WDC</i>	Approved: <i>ES</i>	Spec Number:
Date: 8-6-09	Date: 8-3-09	Date: 8-4-09	Date: 8-5-09	21589

CE [4]



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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