

TRIAxIAL ICP® ACCELEROMETER

Performance
Sensitivity(± 10 %)
Measurement Range
Frequency Range(± 5 %)
Frequency Range(± 10 %)
Resonant Frequency
Broadband Resolution(1 to 10,000 Hz)
Non-Linearity
Transverse Sensitivity

Environmental
Overload Limit(Shock)
Temperature Range(Operating)
Temperature Response
Base Strain Sensitivity

Electrical
Excitation Voltage
Constant Current Excitation
Output Impedance
Output Bias Voltage
Discharge Time Constant
Settling Time(within 10% of bias)
Spectral Noise(1 Hz)
Spectral Noise(10 Hz)
Spectral Noise(100 Hz)
Spectral Noise(1 kHz)
Spectral Noise(10 kHz)

Physical
Sensing Element
Sensing Geometry
Housing Material
Sealing
Weight
Electrical Connector
Electrical Connection Position
Mounting Thread
Mounting Torque

ENGLISH
100 mV/g
± 50 g pk
1.0 to 4000 Hz
0.7 to 5000 Hz
≥ 25 kHz
0.0003 g rms
≤ 1 %
≤ 5 %

± 5000 g pk
-65 to +250 °F
See Graph
0.001 g/µε

24 to 30 VDC
2 to 20 mA
≤ 200 ohm
7 to 16 VDC
0.4 to 1.5 sec
<5 sec
95 µg/√Hz
20 µg/√Hz
6 µg/√Hz
3 µg/√Hz
2 µg/√Hz

Ceramic
Shear
Titanium
Hermetic
0.19 oz
8-36 4-Pin
5-40 Female
4 to 5 in-lb

0.45 in x 0.45 in x 0.45 in
11.4 mm x 11.4 mm x 11.4 mm

(1)
(1)
(1)
(1)
(1)
(1)
(1)
(1)
(1)

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.

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

Output Bias Voltage 7.7 to 17.0 VDC

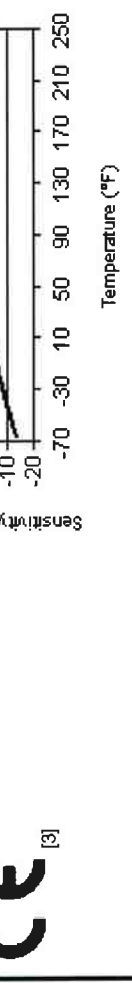
Weight 6.4 gm

Mounting Adhesive

NOTES:
[1] Typical.
[2] Zero-based, least-squares, straight line method.
[3] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:
Model 034K10 4-cond. shielded cable, 10 ft (3 m), mini 4-pin plug to (3) BNC plugs (1)
Model 080A Adhesive Mounting Base (1)
Model 080A109 Petro Wax (1)
Model 081A27 Mounting Stud (5-40 to 5-40) (1)
Model 081A90 Mounting stud, 10-32 to 5-40 (1)
Model ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 6% frequency. (1)
Model M081A27 Metric mounting stud, 5-40 to M3 x 0.50 long (1)

Entered: <i>[Signature]</i>	Engineer: <i>[Signature]</i>	Sales: <i>[Signature]</i>	Approved: <i>[Signature]</i>	Spec Number:
Date: 3-28-08	Date: 3-27-08	Date: 3-28-08	Date: 3-28-08	16563



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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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