

Model Number

EX600B14

VERY HIGH TEMPERATURE INDUSTRIAL ICP® ACCELEROMETER

Revision: C

ECN #: 56707

Performance

Sensitivity(± 5 %)

Measurement Range(Peak)

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(Accelerometer)

Temperature Range(Charge Amplifier)

Temperature Response

Base Strain Sensitivity

Electrical

Settling Time(at 70 °F within 1% of bias)

Discharge Time Constant

Excitation Voltage

Constant Current Excitation

Output Impedance

Output Bias Voltage

Spectral Noise(10 Hz)

Spectral Noise(100 Hz)

Spectral Noise(1 kHz)

Electrical Isolation

Physical

Size (Diameter x Height)

Weight(with cable)

Mounting

Sensing Element

Sensing Geometry

Housing Material

Sealing

Electrical Connector

Electrical Connection Position

Cable Length

Cable Type

ENGLISH

10 mV/g

± 500 g

282 to 210,000 cpm

204 to 300,000 cpm

1,200 kcpm

4 mg

± 1 %

< 5 %

1,000 g pk

-65 to +900 °F

-60 to +250 °F

See Graph

≤ 0.01 g/με

≤ 1.0 sec

≥ .10 sec

22 to 28 VDC

2.2 to 20 mA

< 1,000 Ohm

12 to 16 VDC

260 μg/√Hz

60 μg/√Hz

30 μg/√Hz

> 10⁸ Ohm

1.5 in x 0.75 in

10.5 oz

Through Holes (3)

UHT-12™

Shear

Inconel

Welded Hermetic

2-Pin MIL-C-5015

Side

10 ft

Integral Hardline Cable

SI

1.02 mV/(m/s²)

± 4,900 m/s²

4.7 to 3,500 Hz

3.4 to 5,000 Hz

20 kHz

39 mm/s²

± 1 %

< 5 %

9,810 m/s² pk

-54 to +482 °C

-51 to +121 °C

See Graph

≤ 0.1 (m/s²)/με

≤ 1.0 sec

≥ .10 sec

22 to 28 VDC

2.2 to 20 mA

< 1,000 Ohm

12 to 16 VDC

2,550 (μm/sec²)/√Hz

590 (μm/sec²)/√Hz

295 (μm/sec²)/√Hz

> 10⁸ Ohm

38.1 mm x 19.1 mm

300 gm

Through Holes (3)

UHT-12™

Shear

Inconel

Welded Hermetic

2-Pin MIL-C-5015

Side

3 m

Integral Hardline Cable

[1]

[2][3]

[4]

[4][1]

[5]

[1]

[4]

[1]

[4]

[1]

[4][1]

[4][1]

[4][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.

NOTES:

[1]Conversion Factor 1g = 9.81 m/s².

[2]1Hz = 60 cpm (cycles per minute).

[3]The high frequency tolerance is accurate within ±10% of the specified frequency.

[4]Typical value.

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

[6]See PCB Declaration of Conformance PS116 for details.

[7]See Model's "Instructions For Use" (IFU) for North American Conformity and Certification Statements.

SUPPLIED ACCESSORIES:

Model 081A99 Cap Screw (3)

Model ICS-1 NIST-traceable single-axis amplitude response calibration from 600 cpm (10 Hz) to upper 5% frequency (1)

Entered: ND

Engineer: gs

Sales: JL

Approved: BAM

Spec Number:

Date: 06/29/2026

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49364

CE

UK

CA

[6]

Ex

ETL

Intertek

[7]

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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IMI SENSORS

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