

Performance

Voltage Sensitivity ($\pm 10\%$)
Measurement Range
Frequency Range ($\pm 5\%$)
Frequency Range ($\pm 10\%$)
Resonant Frequency
Broadband Resolution (1 to 10000 Hz)
Non-Linearity (400 g, 3920 m/s²)
Non-Linearity (500 g, 4900 m/s²)
Transverse Sensitivity

ENGLISH

10 mV/g
 ± 500 g pk
1 to 5000 Hz
0.5 to 6000 Hz
 ≥ 25 kHz
0.0005 g rms
 $\leq 1\%$
 $\leq 2\%$
 $\leq 5\%$

SI

1.02 mV/(m/s²)
 ± 4900 m/s² pk
1 to 5000 Hz
0.5 to 6000 Hz
 ≥ 25 kHz
0.005 m/s² rms
 $\leq 1\%$
 $\leq 2\%$
 $\leq 5\%$

Notes

[1]
[4]
[4]

Environmental

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

± 7000 g pk
-65 to +250 °F
See Graph
0.001 g/ $\mu\epsilon$

± 68600 m/s² pk
-54 to +121 °C
See Graph
0.01 (m/s²)/ $\mu\epsilon$

[1]
[1]

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)

20 to 30 VDC
2 to 20 mA
 ≤ 200 Ohms
8 to 12 VDC
0.6 to 2.0 s
< 5 s
150 $\mu\text{g}/\sqrt{\text{Hz}}$
25 $\mu\text{g}/\sqrt{\text{Hz}}$
10 $\mu\text{g}/\sqrt{\text{Hz}}$
5 $\mu\text{g}/\sqrt{\text{Hz}}$

20 to 30 VDC
2 to 20 mA
 ≤ 200 Ohms
8 to 12 VDC
0.6 to 2.0 s
< 5 s
1472 ($\mu\text{m}/\text{s}^2$)/ $\sqrt{\text{Hz}}$
245 ($\mu\text{m}/\text{s}^2$)/ $\sqrt{\text{Hz}}$
98 ($\mu\text{m}/\text{s}^2$)/ $\sqrt{\text{Hz}}$
49 ($\mu\text{m}/\text{s}^2$)/ $\sqrt{\text{Hz}}$

[1]
[1]
[1]
[1]

Physical

Sensing Element
Sensing Geometry
Housing Material
Sealing
Size (Height x Length x Width)
Weight
Electrical Connector
Electrical Connector Position
Mounting Thread
Mounting Torque

Ceramic
Shear
Titanium
Hermetic
0.55 x 0.80 x 0.55 in
0.37 oz
¼-28 4-Pin
Side
10-32 Female
10 to 20 in-lb

Ceramic
Shear
Titanium
Hermetic
14.0 x 20.3 x 14.0 mm
10.5 gm
¼-28 4-Pin
Side
10-32 Female
113 to 225 N-cm

[1]

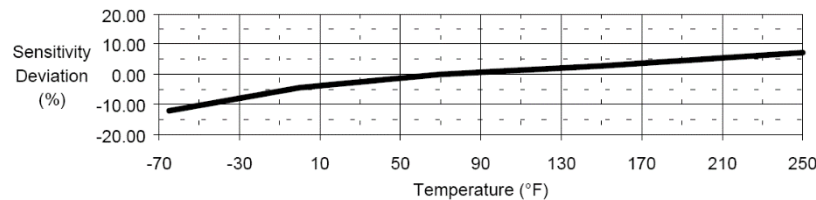


Notes

[1] Typical
[4] Zero-based, least-square, straight line method

Supplied Accessories

NIST Traceable Calibration Certificate
Model 080A109 Petro Wax (1)
Model 010A12 Adhesive Mounting Base (1)
Model 080A90 Quick Bonding Gel (1)
Model 080B05 Mounting Stud (10-32 to 10-32) (1)
Model M081B05 Mounting Stud 10-32 to M6 x 0.75



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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