

Performance

Voltage Sensitivity ($\pm 10\%$)
Measurement Range
Frequency Range ($\pm 5\%$)
Frequency Range ($\pm 10\%$)
Frequency Range ($\pm 3\text{ dB}$)
Resonant Frequency
Broadband Resolution (1 to 10000 Hz)
Non-Linearity
Transverse Sensitivity

ENGLISH

1000 mV/g
 $\pm 5\text{ g pk}$
0.06 to 450 Hz
0.05 to 750 Hz
0.02 to 1700 Hz
 $\geq 2.5\text{ kHz}$
0.000003 g rms
 $\leq 1\%$
 $\leq 5\%$

SI

102 mV/(m/s²)
 $\pm 49\text{ m/s}^2\text{ pk}$
0.06 to 450 Hz
0.05 to 750 Hz
0.02 to 1700 Hz
 $\geq 2.5\text{ kHz}$
0.00003 m/s² rms
 $\leq 1\%$
 $\leq 5\%$

Notes

[1]
[2]
[3]

Environmental

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

$\pm 300\text{ g pk}$
-15 to +176 °F
See Graph
 $\leq 0.0005\text{ g}/\mu\epsilon$

$\pm 2950\text{ m/s}^2\text{ pk}$
-26 to +80 °C
See Graph
 $\leq 0.005\text{ (m/s}^2)/\mu\epsilon$

[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)

18 to 30 VDC
2 to 20 mA
< 500 Ohms
7 to 12 VDC
5 to 15 s
< 100 s
0.30 $\mu\text{g}/\sqrt{\text{Hz}}$
0.10 $\mu\text{g}/\sqrt{\text{Hz}}$
0.04 $\mu\text{g}/\sqrt{\text{Hz}}$
0.04 $\mu\text{g}/\sqrt{\text{Hz}}$

18 to 30 VDC
2 to 20 mA
< 500 Ohms
7 to 12 VDC
5 to 15 s
< 100 s
2.9 ($\mu\text{m/s}^2)/\sqrt{\text{Hz}}$
1.0 ($\mu\text{m/s}^2)/\sqrt{\text{Hz}}$
0.4 ($\mu\text{m/s}^2)/\sqrt{\text{Hz}}$
0.4 ($\mu\text{m/s}^2)/\sqrt{\text{Hz}}$

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

Physical

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

Ceramic
Flexural
Titanium
Hermetic
0.99 x 1.22 in
1.8 oz
10-32 Coaxial Jack
Top
10-32 Female

Ceramic
Flexural
Titanium
Hermetic
25 x31 mm
50 gm
10-32 Coaxial Jack
Top
10-32 Female

[1]



Notes

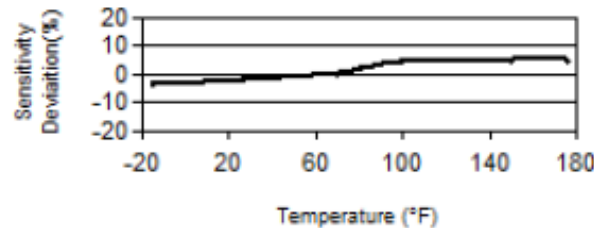
[1] Typical
[2] Zero-based, least-square, straight line method
[3] Transverse sensitivity is typically $\leq 3\%$

Supplied Accessories

NIST Traceable Calibration Certificate
Model 081B05 Mounting Stud, 10-32 to 10-32 (1)
Model 085A41 Thermal Boot (1)
Model M081B05 Mounting Stud, 10-32 to M6 x 0.75 (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.
ICP® is a registered trademark of PCB Piezotronics, Inc.



3425 Walden Ave
Depew, NY 14043
www.LarsonDavis.com