

Model Number  
**SEN026**

# TRIAxIAL ICP® ACCELEROMETER

Revision: D

## Performance

Voltage Sensitivity ( $\pm 15\%$ )  
Measurement Range  
Frequency Range ( $\pm 5\%$ )  
Frequency Range ( $\pm 10\%$ )  
Resonant Frequency  
Broadband Resolution (1 to 10000 Hz)  
Non-Linearity  
Transverse Sensitivity

## ENGLISH

10 mV/g  
 $\pm 500$  g pk  
1 to 9000 Hz  
0.5 to 12000 Hz  
 $\geq 45$  kHz  
0.004 g rms  
 $\leq 1\%$   
 $\leq 5\%$

## SI

1.02 mV/(m/s<sup>2</sup>)  
 $\pm 4905$  m/s<sup>2</sup> pk  
1 to 9000 Hz  
0.5 to 12000 Hz  
 $\geq 45$  kHz  
0.04 m/s<sup>2</sup> rms  
 $\leq 1\%$   
 $\leq 5\%$

## Notes

[1]  
[2]

## Environmental

Overload Limit (Shock)  
Temperature Range (Operating)  
Temperature Response

$\pm 10000$  g pk  
-65 to +250 °F  
See Graph  
 $\pm 98100$  m/s<sup>2</sup> pk  
-54 to +121 °C  
See Graph

[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)  
Spectral Noise (10 kHz)

18 to 30 VDC  
2 to 20 mA  
 $\leq 200$  Ohms  
7 to 12 VDC  
1.0 to 3.5 s  
< 10 s  
600  $\mu\text{g}/\sqrt{\text{Hz}}$   
225  $\mu\text{g}/\sqrt{\text{Hz}}$   
60  $\mu\text{g}/\sqrt{\text{Hz}}$   
100  $\mu\text{g}/\sqrt{\text{Hz}}$   
50  $\mu\text{g}/\sqrt{\text{Hz}}$   
18 to 30 VDC  
2 to 20 mA  
 $\leq 200$  Ohms  
7 to 12 VDC  
1.0 to 3.5 s  
< 10 s  
5886 ( $\mu\text{m}/\text{s}^2$ )/ $\sqrt{\text{Hz}}$   
2207 ( $\mu\text{m}/\text{s}^2$ )/ $\sqrt{\text{Hz}}$   
589 ( $\mu\text{m}/\text{s}^2$ )/ $\sqrt{\text{Hz}}$   
981 ( $\mu\text{m}/\text{s}^2$ )/ $\sqrt{\text{Hz}}$   
490 ( $\mu\text{m}/\text{s}^2$ )/ $\sqrt{\text{Hz}}$

[1]  
[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  
Mounting Thread

Ceramic  
Shear  
Titanium  
Hermetic  
0.28 x 0.47 x 0.47 in  
0.11 oz  
8-36 4-Pin  
Side  
Adhesive  
2-56 Female  
Ceramic  
Shear  
Titanium  
Hermetic  
7.0 x 12.0 x 12.0 mm  
3.1 gm  
8-36 4-Pin  
Side  
Adhesive  
2-56 Female

[1]

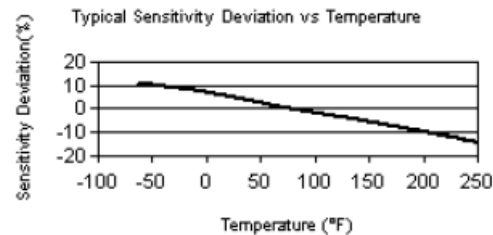


## Notes

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

## Supplied Accessories

NIST Traceable Calibration Certificate



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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