Model Number	
330B32	

TRIAXIAL ICP® ACCELEROMETER

Revision: D ECN #: 55829

339032			
Performance	ENGLISH	SI	
Sensitivity(± 10 %)	10 mV/g	1.02 mV/(m/s²)	
Measurement Range	± 500 g pk	± 4,905 m/s² pk	
Frequency Range(± 5 %)	2 to 10,000 Hz	2 to 10,000 Hz	
Frequency Range	0	0	
Resonant Frequency	≥ 45 kHz	≥ 45 kHz	
Filter Type	Low Pass	Low Pass	
Electrical Filter Roll-off	6 dB/octave	6 dB/octave	
Electrical Filter Corner Frequency	> 14 kHz	> 14 kHz	
Broadband Resolution(1 to 10,000 Hz)	.003 g rms	.029 m/s² rms	[1]
Non-Linearity	≤ 0.5 %	≤ 0.5 %	
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental		_	
Overload Limit(Shock)	± 5,000 g pk	± 49,050 m/s² pk	
Temperature Range(Operating)	-65 to +325 °F	-54 to +163 ℃	
Temperature Response	See Graph	See Graph	[1]
Temperature Coefficient of Sensitivity	≤ 0.011 %/°F	≤ 0.020 %/°C	
Electrical			
Excitation Voltage	18 to 30 VDC	18 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤ 200 Ohm	≤ 200 Ohm	
Output Bias Voltage(Room Temperature)	7 to 12 VDC	7 to 12 VDC	
Discharge Time Constant	0.5 to 2.0 sec	0.5 to 2.0 sec	
Settling Time(within 10% of bias)	< 1.5 sec	< 1.5 sec	
Spectral Noise(1 Hz)	1,187 μg/√Hz	11,644 (µm/sec ²)/√Hz	[1]
Spectral Noise(10 Hz)	178 μg/√Hz	1,746 (µm/sec ²)/√Hz	[1]
Spectral Noise(100 Hz)	48 μg/√Hz	471 (μm/sec ²)/√Hz	[1]
Spectral Noise(1 kHz)	25 μg/√Hz	245 (µm/sec ²)/√Hz	[1]
Physical			
Sensing Element	UHT-12™	UHT-12™	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Size (Height x Length x Width)	0.28 in x 0.47 in x 0.47 in	7.0 mm x 12.0 mm x 12.0 m	m
Weight	0.13 oz	3.6 gm	[1]
Electrical Connector	8-36 4-Pin	8-36 4-Pin	
Electrical Connection Position	Side	Side	
Mounting	Adhesive	Adhesive	

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.

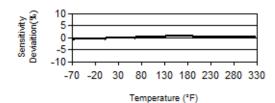
NOTES:

[1]Typical.

[2] See PCB Declaration of Conformance PS023 for details.

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.

SUPPLIED ACCESSORIES:

Model 034K10 Cable 10FT Mini 4 Pin To (3) BNC (1)

Model 080A109 Petro Wax (1)

Model 080A90 Quick Bonding Gel (1)

Model ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)

Entered: ND	Engineer: BAM	Sales: KK	Approved: BAM	Spec Number:
Date: 06/19/2025	Date: 06/19/2025	Date: 06/19/2025	Date: 06/19/2025	65949



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