

Model Number 339B32		TRIAxIAL ICP® ACCELEROMETER		Revision: D ECN #: 55829											
Performance		ENGLISH		SI											
Sensitivity(± 10 %)		10 mV/g		1.02 mV/(m/s ²)											
Measurement Range		± 500 g pk		± 4,905 m/s ² 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/s ² rms											
Non-Linearity		≤ 0.5 %		≤ 0.5 %											
Transverse Sensitivity		≤ 5 %		≤ 5 %											
Environmental															
Overload Limit(Shock)		± 5,000 g pk		± 49,050 m/s ² pk											
Temperature Range(Operating)		-65 to +325 °F		-54 to +163 °C											
Temperature Response		See Graph		See Graph											
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											
Spectral Noise(10 Hz)		178 µg/√Hz		1,746 (µm/sec ²)/√Hz											
Spectral Noise(100 Hz)		48 µg/√Hz		471 (µm/sec ²)/√Hz											
Spectral Noise(1 kHz)		25 µg/√Hz		245 (µm/sec ²)/√Hz											
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 mm											
Weight		0.13 oz		3.6 gm											
Electrical Connector		8-36 4-Pin		8-36 4-Pin											
Electrical Connection Position		Side		Side											
Mounting		Adhesive		Adhesive											
Typical Sensitivity Deviation vs Temperature CE UK CA															
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.															
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. 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) <table><tr><td>Entered: ND</td><td>Engineer: BAM</td><td>Sales: KK</td><td>Approved: BAM</td><td>Spec Number:</td></tr><tr><td>Date: 06/19/2025</td><td>Date: 06/19/2025</td><td>Date: 06/19/2025</td><td>Date: 06/19/2025</td><td>65949</td></tr></table> PCB PIEZOTRONICS AN AMPHENOL COMPANY Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com 3425 Walden Avenue, Depew, NY 14043						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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CE
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