

Model Number 339A30		TRIAxIAL ICP® ACCELEROMETER		Revision C ECN #: 32326	
Performance		ENGLISH	SI	Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)	
Sensitivity (±10 %)		10 mV/g	1.02 mV/(m/s²)	Notes [1] Typical. [2] See PCB Declaration of Conformance PS023 for details. Supplied Accessories 034K10 Cable 10FT Mini 4 Pin To (3) BNC (1) 080A109 Petro Wax (1) 080A90 Quick Bonding Gel (1) ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)	
Measurement Range		±500 g pk	±4905 m/s² pk		
Frequency Range (±5 %)		2 to 8000 Hz	2 to 8000 Hz		
Resonant Frequency (x or y axis)		≥25 kHz	≥25 kHz		
Resonant Frequency (z axis)		≥55 kHz	≥55 kHz		
Filter Type (single pole)		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 10000 Hz)		0.008 g rms	0.078 m/s² rms		
Non-Linearity		≤0.5 %	≤0.5 %		
Transverse Sensitivity		≤5 %	≤5 %		
Environmental				Notes [1] Typical. [2] See PCB Declaration of Conformance PS023 for details.	
Overload Limit (Shock)		±5000 g pk	±49050 m/s² 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				Notes [1] Typical. [2] See PCB Declaration of Conformance PS023 for details. Supplied Accessories 034K10 Cable 10FT Mini 4 Pin To (3) BNC (1) 080A109 Petro Wax (1) 080A90 Quick Bonding Gel (1) ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)	
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 11 VDC	7 to 11 VDC		
Discharge Time Constant		0.6 to 2 sec	0.6 to 2 sec		
Settling Time (within 10% of bias)		<3 sec	<3 sec		
Spectral Noise (1 Hz)		1700 µg/√Hz	16660 (µm/sec²)/√Hz		
Spectral Noise (10 Hz)		500 µg/√Hz	4900 (µm/sec²)/√Hz		
Spectral Noise (100 Hz)		200 µg/√Hz	1960 (µm/sec²)/√Hz		
Spectral Noise (1 kHz)		100 µg/√Hz	980 (µm/sec²)/√Hz		
Physical				Notes [1] Typical. [2] See PCB Declaration of Conformance PS023 for details. Supplied Accessories 034K10 Cable 10FT Mini 4 Pin To (3) BNC (1) 080A109 Petro Wax (1) 080A90 Quick Bonding Gel (1) ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)	
Sensing Geometry		Shear	Shear		
Housing Material		Titanium	Titanium		
Sealing		Hermetic	Hermetic		
Size (Height x Length x Width)		0.4 in x 0.4 in x 0.4 in	10.2 mm x 10.2 mm x 10.2 mm		
Weight		0.14 oz	4 gm		
Electrical Connector		8-36 4-Pin	8-36 4-Pin		
Electrical Connection Position		Side	Side		
Mounting		Adhesive	Adhesive		

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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