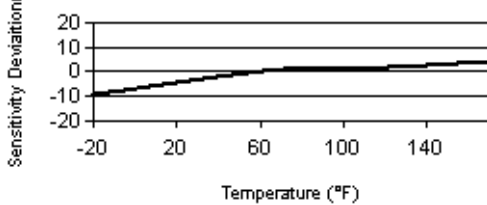


Model Number 356B18		TRIAxIAL ICP® ACCELEROMETER		Revision: H ECN #: 56926	
Performance		ENGLISH		SI	
Sensitivity(± 10 %)		1,000 mV/g		102 mV/(m/s ²)	
Measurement Range		± 5 g pk		± 49 m/s ² pk	
Frequency Range(± 5 %)		0.5 to 3,000 Hz		0.5 to 3,000 Hz	
Frequency Range(± 10 %)(x axis)		0.3 to 3,500 Hz		0.3 to 3,500 Hz [1]	
Frequency Range(± 10 %)(y or z axis)		0.3 to 4,000 Hz		0.3 to 4,000 Hz [1]	
Resonant Frequency		≥ 20 kHz		≥ 20 kHz	
Broadband Resolution(1 to 10,000 Hz)		0.00005 g rms		0.0005 m/s ² rms [1]	
Phase Response(± 5 °)(at 70°F [21°C])		2 to 2,000 Hz		2 to 2,000 Hz	
Non-Linearity		≤ 1 %		≤ 1 % [2]	
Transverse Sensitivity		≤ 5 %		≤ 5 %	
Environmental					
Overload Limit(Shock)		± 5,000 g pk		± 5,000 g pk	
Temperature Range(Operating)		-20 to +170 °F		-29 to +77 °C	
Temperature Response		See Graph		See Graph	
Base Strain Sensitivity		0.0007 g/µε		0.007 (m/s ²)/µε [1]	
Electrical					
Excitation Voltage		20 to 30 VDC		20 to 30 VDC	
Constant Current Excitation		2 to 20 mA		2 to 20 mA	
Output Impedance		≤ 600 Ohm		≤ 600 Ohm	
Output Bias Voltage		8 to 12 VDC		8 to 12 VDC	
Discharge Time Constant		0.8 to 3.0 sec		0.8 to 3.0 sec	
Settling Time(within 10% of bias)		< 12 sec		< 12 sec	
Spectral Noise(1 Hz)		11.4 µg/√Hz		112 (µm/sec ²)/√Hz [1]	
Spectral Noise(10 Hz)		4.0 µg/√Hz		39 (µm/sec ²)/√Hz [1]	
Spectral Noise(100 Hz)		1.2 µg/√Hz		12 (µm/sec ²)/√Hz [1]	
Spectral Noise(1 kHz)		0.4 µg/√Hz		4.4 (µm/sec ²)/√Hz [1]	
Physical					
Sensing Element		Ceramic		Ceramic	
Sensing Geometry		Shear		Shear	
Housing Material		Anodized Aluminum		Anodized Aluminum	
Sealing		Epoxy		Epoxy	
Size (Height x Length x Width)		0.80 in x 1.03 in x 0.80 in		20.3 mm x 26.1 mm x 20.3 mm	
Weight		0.88 oz		25 gm [1]	
Electrical Connector		1/4-28 4-Pin		1/4-28 4-Pin	
Electrical Connection Position		Side		Side	
Mounting Thread		10-32 Female		10-32 Female	
CE UK CA^[3] Typical Sensitivity Deviation vs Temperature 					
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.					
A - Adhesive Mount Mounting Thread Supplied Accessory: Model 080A90 Quick Bonding Gel (1) J - Ground Isolated Electrical Isolation(Base) Size - Height Size - Length Size - Width T - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4 Output Bias Voltage TLB - TEDS LMS International - Automotive Format Output Bias Voltage TLC - TEDS LMS International - Aeronautical Format Output Bias Voltage TLD - TEDS Capable of Digital Memory and Communication Compliant with IEEE 1451.4 Output Bias Voltage					
None - Adhesive Mount Only None - Adhesive Mount Only None -					

CE
UK
CA^[3]

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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