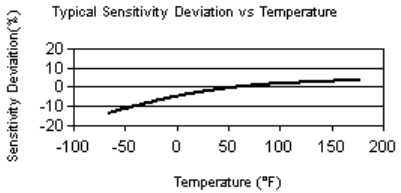
Model Number **356A16**	**ACCELEROMETER, ICP®, TRIAXIAL**	Revision K ECN #: 28126

Performance	**ENGLISH**	**SI**	
Sensitivity (±10 %)	100 mV/g	10.2 mV/(m/s²)	
Measurement Range	±50 g pk	±490 m/s² pk	
Frequency Range (±5 %) (y or z axis)	0.5 to 5000 Hz	0.5 to 5000 Hz	
Frequency Range (±5 %) (x axis)	0.5 to 4500 Hz	0.5 to 4500 Hz	
Frequency Range (±10)	0.3 to 6000 Hz	0.3 to 6000 Hz	
Resonant Frequency	≥25 kHz	≥25 kHz	
Phase Response (±5 °)	1.0 to 5000 Hz	1.0 to 5000 Hz	
Broadband Resolution (1 to 10000 Hz)	0.0001 g rms	0.001 m/s² rms	[1]
Non-Linearity	≤1 %	≤1 %	[2]
Transverse Sensitivity	≤5 %	≤5 %	
Environmental			
Overload Limit (Shock)	±7000 g pk	±68600 m/s² pk	
Temperature Range (Operating)	-65 to +176 °F	-54 to +80 °C	
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	0.001 g/με	0.01 (m/s²)/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	≤200 ohm	≤200 ohm	
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC	
Discharge Time Constant	1.0 to 3.0 sec	1.0 to 3.0 sec	
Settling Time (within 10% of bias)	<10 sec	<10 sec	
Spectral Noise (1 Hz)	40 µg/√Hz	392 (µm/sec^2)/√Hz	[1]
Spectral Noise (10 Hz)	10 µg/√Hz	98 (µm/sec^2)/√Hz	[1]
Spectral Noise (100 Hz)	3 µg/√Hz	29.4 (µm/sec^2)/√Hz	[1]
Spectral Noise (1 kHz)	1 µg/√Hz	9.8 (µm/sec^2)/√Hz	[1]
Spectral Noise (10 kHz)	0.5 µg/√Hz	4.9 (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)	0.55 in x 0.80 in x 0.55 in	14.0 mm x 20.3 mm x 14.0 mm	
Weight	0.26 oz	7.4 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	
Mounting Torque	10 to 20 in-lb	113 to 225 N-cm	



Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)

A - Adhesive Mount
Supplied Accessory: Model 080A109 Petro Wax
Supplied Accessory: Model 080A90 Quick bond Gel (for use with accelerometer adhesive mtg bases to fill gaps on rough surfaces)

T - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4

TLA - TEDS LMS International - Free Format

TLB - TEDS LMS International - Automotive Format

TLC - TEDS LMS International - Aeronautical Format

TLD - TEDS Capable of Digital Memory and Communication Compliant with IEEE 1451.4

Temperature Range (Operating)	-65 to +176 °F	-54 to +80 °C
Output Bias Voltage	8.5 to 13.0 VDC	8.5 to 13.0 VDC

Notes

[1] Typical.
[2] Zero-based, least-squares, straight line method.
[3] See PCB Declaration of Conformance PS023 for details.

Supplied Accessories

080A109 Petro Wax (1)
080A12 Adhesive Mounting Base (1)
081B05 Mounting Stud (10-32 to 10-32) (1)
ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)
M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)

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