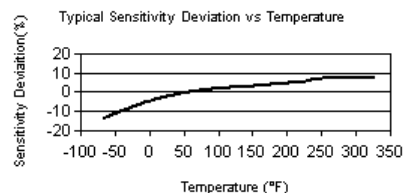


Model Number 356A02	ACCELEROMETER, ICP [®] , TRIAXIAL				Revision P ECN #: 32915
Performance	ENGLISH	SI	Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)		
Sensitivity (±10 %)	10 mV/g	1.02 mV/(m/s ²)	HT - High temperature, extends normal operation temperatures [3]		
Measurement Range	±500 g pk	±4900 m/s ² pk	Frequency Range (±5 %)	1 to 5000 Hz	1 to 5000 Hz
Frequency Range (±5 %)	1 to 5000 Hz	1 to 5000 Hz	Frequency Range (±10 %)	0.7 to 6000 Hz	0.7 to 6000 Hz
Frequency Range (±10 %)	0.5 to 6000 Hz	0.5 to 6000 Hz	Broadband Resolution (1 to 10000 Hz)	0.0008 g rms	0.008 μm/sec ² rms
Resonant Frequency	≥25 kHz	≥25 kHz	Temperature Range (Operating)	-65 to +325 °F	-54 to +163 °C
Broadband Resolution (1 to 10000 Hz)	0.0005 g rms	0.005 m/s ² rms	Excitation Voltage	22 to 30 VDC	22 to 30 VDC
Non-Linearity (400 g, 3920 m/s ²)	≤1 %	≤1 %	Output Bias Voltage	7 to 15 VDC	7 to 15 VDC [2]
Non-Linearity (500 g, 4900 m/s ²)	≤2 %	≤2 %	Discharge Time Constant	0.5 to 1.5 sec	0.5 to 1.5 sec
Transverse Sensitivity	≤5 %	≤5 %	Spectral Noise (1 Hz)	400 μg/√Hz	3920 (μm/sec ²)/√Hz
Environmental			Spectral Noise (10 Hz)	50 μg/√Hz	490 (μm/sec ²)/√Hz
Overload Limit (Shock)	±7000 g pk	±68600 m/s ² pk	Spectral Noise (100 Hz)	25 μg/√Hz	245 (μm/sec ²)/√Hz
Temperature Range (Operating)	-65 to +250 °F	-54 to +121 °C	Spectral Noise (1 kHz)	6 μg/√Hz	58.8 (μm/sec ²)/√Hz
Temperature Response	See Graph	See Graph	T - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4		
Base Strain Sensitivity	0.001 g/με	0.01 (m/s ²)/με	TLA - TEDS LMS International - Free Format		
Electrical			TLB - TEDS LMS International - Automotive Format		
Excitation Voltage	20 to 30 VDC	20 to 30 VDC	TLC - TEDS LMS International - Aeronautical Format		
Constant Current Excitation	2 to 20 mA	2 to 20 mA	TLD - TEDS Capable of Digital Memory and Communication Compliant with IEEE 1451.4		
Output Impedance	≤200 ohm	≤200 ohm	Temperature Range	-65 to +250 °F	-54 to +121 °C
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC	Output Bias Voltage	8.5 to 13.0 VDC	8.5 to 13.0 VDC
Discharge Time Constant	0.6 to 2.0 sec	0.6 to 2.0 sec	Notes		
Settling Time (within 10% of bias)	<5 sec	<5 sec	[1] Typical.		
Spectral Noise (1 Hz)	150 μg/√Hz	1472 (μm/sec ²)/√Hz	[2] TEDS option adds 1.0 VDC to bias voltage.		
Spectral Noise (10 Hz)	25 μg/√Hz	245 (μm/sec ²)/√Hz	[3] 250° F to 325° F data valid with HT option only.		
Spectral Noise (100 Hz)	10 μg/√Hz	98 (μm/sec ²)/√Hz	[4] Zero-based, least-squares, straight line method.		
Spectral Noise (1 kHz)	5 μg/√Hz	49 (μm/sec ²)/√Hz	[5] See PCB Declaration of Conformance PS023 for details.		
Physical			Supplied Accessories		
Sensing Element	Ceramic	Ceramic	080A109 Petro Wax (1)		
Sensing Geometry	Shear	Shear	080A12 Adhesive Mounting Base (1)		
Housing Material	Titanium	Titanium	080A90 Quick Bonding Gel (1)		
Sealing	Hermetic	Hermetic	081B05 Mounting Stud (10-32 to 10-32) (1)		
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	ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)		
Weight	0.37 oz	10.5 gm	M081B05 Mounting Stud 10-32 to M6 X 0.75 ()		
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			



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Entered: LLH	Engineer: BAM	Sales: WDC	Approved: EB	Spec Number:
Date: 05/12/2010	Date: 05/06/2010	Date: 05/07/2010	Date: 05/11/2010	10927

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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