

Model Number 356A30	TRIAxIAL ICP® ACCELEROMETER	Revision: C ECN #: 37279
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	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Sensitivity(± 10 %)	5 mV/g	0.5 mV/(m/s ²)	
Measurement Range	± 1000 g pk	± 9810 m/s ² pk	
Frequency Range(± 5 %)(y or z axis)	0.5 to 10,000 Hz	0.5 to 10,000 Hz	
Frequency Range(± 5 %)(x axis)	0.5 to 7000 Hz	0.5 to 7000 Hz	
Resonant Frequency	≥ 70 kHz	≥ 70 kHz	[1]
Broadband Resolution(1 to 10,000 Hz)	0.002 g rms	0.02 m/s ² rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit(Shock)	± 5000 g pk	± 49,050 m/s ² pk	
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C	
Temperature Response	See Graph	See Graph	[1]
Electrical			
Excitation Voltage	22 to 30 VDC	22 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	[1]
Output Impedance	≤ 100 ohm	≤ 100 ohm	
Output Bias Voltage	7 to 15 VDC	7 to 15 VDC	
Discharge Time Constant	0.5 to 2.0 sec	0.5 to 2.0 sec	
Settling Time(within 10% of bias)	<5 sec	<5 sec	
Spectral Noise(1 Hz)	1000 µg/√Hz	9810 (µm/sec ²)/√Hz	[1]
Spectral Noise(10 Hz)	200 µg/√Hz	1962 (µm/sec ²)/√Hz	[1]
Spectral Noise(100 Hz)	50 µg/√Hz	491 (µm/sec ²)/√Hz	[1]
Spectral Noise(1 kHz)	25 µg/√Hz	245.3 (µm/sec ²)/√Hz	[1]
Physical			
Sensing Element	Ceramic	Ceramic	[1]
Sensing Geometry	Shear	Shear	[1]
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Size (Height x Length x Width)	0.45 in x 0.45 in x 0.45 in	11.4 mm x 11.4 mm x 11.4 mm	
Weight(without cable)	0.16 oz	4.5 gm	[1]
Electrical Connector	8-36 4-Pin	8-36 4-Pin	
Electrical Connection Position	Side	Side	
Mounting	Adhesive	Adhesive	

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.

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

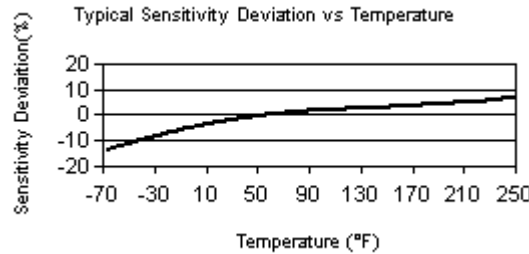
Excitation Voltage	23 to 30 VDC	23 to 30 VDC
Output Bias Voltage	7.5 to 16 VDC	7.5 to 16 VDC

NOTES:

[1] Typical.
[2] Zero-based, least-squares, straight line method.
[3] 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 ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)



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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Entered: DMW	Engineer: BAM	Sales: WDC	Approved: RPF	Spec Number:
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