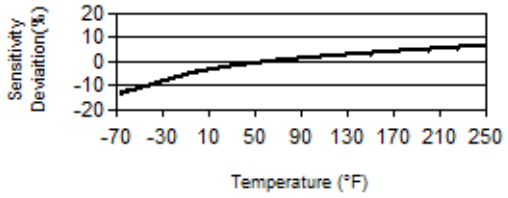
Model Number 356M155	TRIAXIAL ICP® ACCELEROMETER	Revision: F ECN #: 50273

Performance	ENGLISH	SI	
Sensitivity(± 10 %)	2.5 mV/g	0.26 mV/(m/s²)	
Measurement Range	± 2,000 g pk	± 19,620 m/s² pk	
Frequency Range(± 5 %)(y or z axis)	1.0 to 10,000 Hz	1.0 to 10,000 Hz	
Frequency Range(± 5 %)(x axis)	1.0 to 6,000 Hz	1.0 to 6,000 Hz	
Resonant Frequency	≥ 70 kHz	≥ 70 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.008 g rms	0.08 m/s² rms	[1]
Non-Linearity	1 %	1 %	[2]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit(Shock)	± 5,000 g pk	± 49,050 m/s² pk	
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C	
Temperature Response	See Graph	See Graph	[1]
Electrical			
Excitation Voltage	21 to 30 VDC	21 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤ 100 Ohm	≤ 100 Ohm	
Output Bias Voltage	7 to 14 VDC	7 to 14 VDC	
Discharge Time Constant	0.4 to 2 sec	0.4 to 2 sec	
Settling Time(within 10% of bias)	< 5 sec	< 5 sec	
Spectral Noise(1 Hz)	4,000 µg/√Hz	36,720 (µm/sec²)/√Hz	[1]
Spectral Noise(10 Hz)	800 µg/√Hz	7,848 (µm/sec²)/√Hz	[1]
Spectral Noise(100 Hz)	200 µg/√Hz	1,964 (µm/sec²)/√Hz	[1]
Spectral Noise(1 kHz)	100 µg/√Hz	980 (µm/sec²)/√Hz	[1]
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Size (Height x Width x Length)	0.45 in x 0.45 in x 0.82 in	11.4 mm x 11.4 mm x 20.8 mm	
Weight(without cable)	0.16 oz	4.5 gm	[1]
Electrical Connector	1/4-28 4-Pin	1/4-28 4-Pin	
Electrical Connection Position	Side	Side	
Mounting	Adhesive	Adhesive	

CE[3]

Typical Sensitivity Deviation vs Temperature



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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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.

TLA - TEDS LMS International - Free Format		
Output Bias Voltage	7.5 to 15.0 VDC	7.5 to 15.0 VDC
TLB - TEDS LMS International - Automotive Format		
Output Bias Voltage	7.5 to 15.0 VDC	7.5 to 15.0 VDC
TLC - TEDS LMS International - Aeronautical Format		
Output Bias Voltage	7.5 to 15.0 VDC	7.5 to 15.0 VDC
TLD - TEDS Capable of Digital Memory and Communication Compliant with IEEE 1451.4		
Output Bias Voltage	7.5 to 15.0 VDC	7.5 to 15.0 VDC

NOTES:

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

SUPPLIED ACCESSORIES:

Model 080A109 Petro Wax (1)
Model ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)

Entered: LK	Engineer: SDS	Sales: WDC	Approved: JJB	Spec Number:
Date: 12/11/2019	Date: 12/11/2019	Date: 12/11/2019	Date: 12/11/2019	27142

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