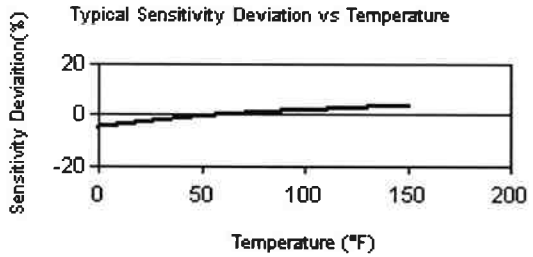
Model Number	ICP® ACCELEROMETER	Revision: G
333B32		ECN #: 31217

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 %)	0.5 to 3000 Hz	0.5 to 3000 Hz	
Resonant Frequency	≥ 40 kHz	≥ 40 kHz	
Phase Response(± 5 °)(at 70°F [21°C])	2 to 3000 Hz	2 to 3000 Hz	
Broadband Resolution(1 to 10,000 Hz)	0.00015 g rms	0.0015 m/s² rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit(Shock)	± 5000 g pk	± 49,000 m/s² pk	
Temperature Range(Operating)	0 to +150 °F	-18 to +66 °C	
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	0.01 g/με	0.1 (m/s²)/με	[1]
Electrical			
Excitation Voltage	18 to 30 VDC	18 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤ 300 ohm	≤ 300 ohm	
Output Bias Voltage	7 to 12 VDC	7 to 12 VDC	
Discharge Time Constant	1.0 to 3.0 sec	1.0 to 3.0 sec	
Spectral Noise(10 Hz)	11 μg/√Hz	110 (μm/sec²)/√Hz	[1]
(100 Hz)	3.4 μg/√Hz	33 (μm/sec²)/√Hz	[1]
(1 kHz)	1.4 μg/√Hz	14 (μm/sec²)/√Hz	[1]
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Size (Length x Width)	0.63 in x 0.40 in	16.0 mm x 10.2 mm	
Weight	0.14 oz	4.0 gm	[1]
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Electrical Connection Position	Side	Side	
Mounting	Adhesive	Adhesive	

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

Excitation Voltage	19 to 30 VDC	19 to 30 VDC
Output Bias Voltage	7.5 to 13 VDC	7.5 to 13 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 080A90 Quick Bonding Gel (1)
Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)

Entered: ltt	Engineer: mjm	Sales: WDC	Approved: eb	Spec Number:
Date: 8-18-09	Date: 8.13.09	Date: 8-13-09	Date: 8.14.09	11829

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