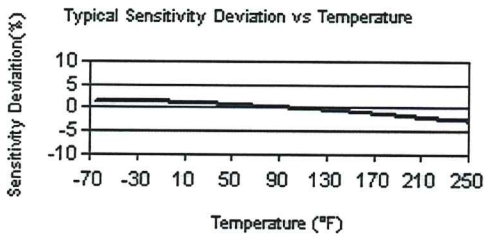


	ENGLISH	SI	
<b>Performance</b>			
Sensitivity(± 5 %)	20 mV/g	2.04 mV/(m/s <sup>2</sup> )	[2]
Measurement Range	± 250 g pk	± 2453 m/s <sup>2</sup> pk	
Frequency Range(± 5 %)	1 to 7000 Hz	1 to 7000 Hz	
Frequency Range(± 10 %)	0.7 to 10,000 Hz	0.7 to 10,000 Hz	
Frequency Range(± 3 dB)	0.35 to 18,000 Hz	0.35 to 18,000 Hz	
Resonant Frequency	≥ 38 kHz	≥ 38 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.003 g rms	0.03 m/s <sup>2</sup> rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[3]
Transverse Sensitivity	≤ 5 %	≤ 5 %	[4]
<b>Environmental</b>			
Overload Limit(Shock)	± 10,000 g pk	± 98,100 m/s <sup>2</sup> pk	
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C	
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	≤ 0.0005 g/µε	≤ 0.005 (m/s <sup>2</sup> )/µε	[1]
<b>Electrical</b>			
Excitation Voltage	18 to 30 VDC	18 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤ 100 ohm	≤ 100 ohm	
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC	
Discharge Time Constant	0.5 to 2.6 sec	0.5 to 2.6 sec	
Settling Time(within 10% of bias)	<5 sec	<5 sec	
Spectral Noise(1 Hz)	1600 µg/√Hz	15,700 (µm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise(10 Hz)	350 µg/√Hz	3433 (µm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise(100 Hz)	90 µg/√Hz	883 (µm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise(1 kHz)	32 µg/√Hz	314 (µm/sec <sup>2</sup> )/√Hz	[1]
<b>Physical</b>			
Sensing Element	Quartz	Quartz	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Welded Hermetic	Welded Hermetic	
Size (Hex x Height)	0.5 in x 0.81 in	12.7 mm x 20.6 mm	
Weight	0.35 oz	10 gm	[1]
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Electrical Connection Position	Side	Side	
Mounting Thread	10-32 Female	10-32 Female	

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.		
<b>J - Ground Isolated</b>		
Frequency Range(± 5 %)	1 to 5000 Hz	1 to 5000 Hz
Frequency Range(± 10 %)	0.7 to 8000 Hz	0.7 to 8000 Hz
Resonant Frequency	≥ 22 kHz	≥ 22 kHz
Electrical Isolation(Base)	≥ 10 <sup>8</sup> ohm	≥ 10 <sup>8</sup> ohm
Size - Hex x Height	0.50 in x 0.86 in	12.7 mm x 21.8 mm
<b>Q - Extended discharge time constant</b>		
Frequency Range(± 5 %)	0.1 to 7000 Hz	0.1 to 7000 Hz
Frequency Range(± 10 %)	0.07 to 10,000 Hz	0.07 to 10,000 Hz
Discharge Time Constant	>10 sec	>10 sec
Settling Time(within 10% of bias)	45 sec	45 sec
Supplied Accessory : Model ACS-4 Single axis, low frequency phase and amplitude response cal from 0.5 to 10 Hz (1)		
<b>T - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4</b>		
<b>TLA - TEDS LMS International - Free Format</b>		
<b>TLB - TEDS LMS International - Automotive Format</b>		
<b>TLC - TEDS LMS International - Aeronautical Format</b>		
<b>TLD - TEDS Capable of Digital Memory and Communication Compliant with IEEE 1451.4</b>		
Excitation Voltage	22 to 30 VDC	22 to 30 VDC
Output Bias Voltage	8.5 to 14.5 VDC	8.5 to 14.5 VDC
Size - Height	.82 in	20.8 mm
Sensitivity(± 10 %)	20 mV/g	2.04 mV/V/(m/s <sup>2</sup> )
<b>W - Water Resistant Cable</b>		
Electrical Connector	Sealed Integral Cable	Sealed Integral Cable
Electrical Connection Position	Side	Side

**NOTES:**  
 [1] Typical.  
 [2] B and Q options supplied with a sensitivity tolerance of ± 10 %.  
 [3] Zero-based, least-squares, straight line method.  
 [4] Transverse sensitivity is typically ≤ 3%.  
 [5] See PCB Declaration of Conformance PS023 for details.

**SUPPLIED ACCESSORIES:**  
 Model 080A Adhesive Mounting Base (1)  
 Model 080A109 Petro Wax (1)  
 Model 081B05 Mounting Stud (10-32 to 10-32) (1)  
 Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)  
 Model M081B05 Mounting Stud 10-32 to M6 X 0.75 (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.  
 ICP® is a registered trademark of PCB Group, Inc.

Entered: <i>YEMW</i>	Engineer: <i>BAM</i>	Sales: <i>WDC</i>	Approved: <i>EB</i>	Spec Number:
Date: <i>3/24/11</i>	Date: <i>3/24/11</i>	Date: <i>3/24/11</i>	Date: <i>3/24/11</i>	353-2010-80