

	<u>ENGLISH</u>	<u>SI</u>	
<b>Performance</b>			
Sensitivity(± 10 %)	10 mV/g	1.02 mV/(m/s <sup>2</sup> )	
Measurement Range	± 500 g pk	± 4905 m/s <sup>2</sup> 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 7000 Hz	1.0 to 7000 Hz	
Resonant Frequency	≥ 70 kHz	≥ 70 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.002 g rms	0.02 m/s <sup>2</sup> rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
<b>Environmental</b>			
Overload Limit(Shock)	± 5000 g pk	± 49,050 m/s <sup>2</sup> pk	
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C	
Temperature Response	See Graph	See Graph	[1]
<b>Electrical</b>			
Excitation Voltage	22 to 30 VDC	22 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 15 VDC	7 to 15 VDC	
Discharge Time Constant	0.2 to 1.5 sec	0.2 to 1.5 sec	
Settling Time(within 10% of bias)	<5 sec	<5 sec	
Spectral Noise(1 Hz)	1000 µg/√Hz	9180 (µm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise(10 Hz)	200 µg/√Hz	1962 (µm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise(100 Hz)	50 µg/√Hz	491 (µm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise(1 kHz)	25 µg/√Hz	245.3 (µm/sec <sup>2</sup> )/√Hz	[1]
<b>Physical</b>			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
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.

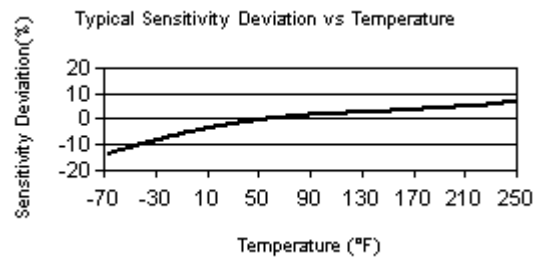
T - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4  
 TLA - TEDS LMS International - Free Format  
 TLB - TEDS LMS International - Automotive Format  
 TLC - TEDS LMS International - Aeronautical Format  
 TLD - TEDS Capable of Digital Memory and Communication Compliant with IEEE 1451.4

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 PS022 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)

Entered: LK	Engineer: BAM	Sales: WDC	Approved: BAM	Spec Number:
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*All specifications are at room temperature unless otherwise specified.  
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