

<b>Performance</b>	<b>ENGLISH</b>	<b>SI</b>	
Sensitivity(± 5 %)	100 mV/g	10.2 mV/(m/s <sup>2</sup> )	
Measurement Range	± 50 g pk	± 491 m/s <sup>2</sup> pk	
Frequency Range(± 5 %)	.4 to 5000 Hz	.4 to 5000 Hz	
Resonant Frequency	≥ 25 kHz	≥ 25 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.0003 g rms	0.003 m/s <sup>2</sup> rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
TEDS Compliant(Per IEEE 1451.4)	Yes	Yes	[3]
<b>Environmental</b>			
Overload Limit(Shock)	± 5000 g pk	± 49,050 m/s <sup>2</sup> pk	
Temperature Range(Operating)	-65 to +200 °F	-54 to +93 °C	
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	.003 g/με	.03 (m/s <sup>2</sup> )/με	[1]
<b>Electrical</b>			
Excitation Voltage	24 to 30 VDC	24 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	1 to 2 sec	1 to 2 sec	
Settling Time(within 10% of bias)	<3 sec	<3 sec	
Spectral Noise(1 Hz)	55 μg/√Hz	540 (μm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise(10 Hz)	15 μg/√Hz	147 (μm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise(100 Hz)	6 μg/√Hz	59 (μm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise(1 kHz)	3 μg/√Hz	29 (μm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise(10 kHz)	2 μg/√Hz	20 (μm/sec <sup>2</sup> )/√Hz	[1]
Electrical Isolation(Case)	>10 <sup>8</sup> Ohm	>10 <sup>8</sup> Ohm	
<b>Physical</b>			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Size (Height x Length x Width)	.38 in x .82 in x .82 in	9.7 mm x 20.7 mm x 20.7 mm	
Weight	0.51 oz	14.5 gm	[1]
Electrical Connector	1/4-28 4-Pin	1/4-28 4-Pin	
Electrical Connection Position	Side	Side	
Mounting Screw	6 - 32	6 - 32	

**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.

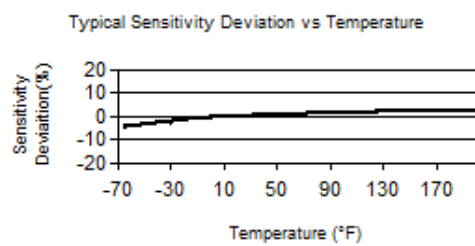
**M - Metric Mount**  
Supplied Accessory : Model M039A22 Allen wrench for use with M3 thread (1) replaces Model 039A22  
Supplied Accessory : Model M081A103 Mounting screw and washer, M3 x 0.5 thread (1) replaces Model 081A105

**NOTES:**

[1] Typical.  
[2] Zero-based, least-squares, straight line method.  
[3] TEDS Capable Digital Memory and Communication, compliant with IEEE 1451.4  
[4] See PCB Declaration of Conformance PS023 for details.

**SUPPLIED ACCESSORIES:**

Model 039A22 Allen wrench, 7/64" hex  
Model 081A105 Mounting screw (6-32 x 1/2" schs 18-8) (1)  
Model ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)



Entered: LK	Engineer: JJD	Sales: KK	Approved: BAM	Spec Number:
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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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