

	ENGLISH	SI	
<b>Performance</b>			
Sensitivity (±15 %)	10 mV/g	1.02 mV/(m/s <sup>2</sup> )	
Measurement Range	±500 g pk	±4905 m/s <sup>2</sup> pk	[1]
Frequency Range (±3 dB)	5 to 60000 Hz	5 to 60000 Hz	
Electrical Filter Corner Frequency	45 kHz	45 kHz	[2]
Electrical Filter Roll-off	10 dB/decade	10 dB/decade	[2]
Resonant Frequency	≥95 kHz	≥95 kHz	
Broadband Resolution (1 to 10000 Hz)	0.002 g rms	0.02 m/s <sup>2</sup> rms	[3]
Non-Linearity	≤1 %	≤1 %	[4]
Transverse Sensitivity	≤5 %	≤5 %	[5]
<b>Environmental</b>			
Overload Limit (Shock)	±5000 g pk	±49050 m/s <sup>2</sup> pk	
Temperature Range	-65 to 250 °F	-54 to +121 °C	
Temperature Response	See Graph	See Graph	[3]
Base Strain Sensitivity	≤0.05 g/µε	≤0.49 (m/s <sup>2</sup> )/µε	[3]
<b>Electrical</b>			
Excitation Voltage	18 to 30 VDC	18 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	[1]
Output Impedance	≤100 ohm	≤100 ohm	
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC	
Discharge Time Constant	0.02 to 0.06 sec	0.02 to 0.06 sec	[2]
Spectral Noise (10 Hz)	160 µg/√Hz	1570 (µm/sec <sup>2</sup> )/√Hz	[3]
Spectral Noise (100 Hz)	40 µg/√Hz	390 (µm/sec <sup>2</sup> )/√Hz	[3]
Spectral Noise (1 kHz)	15 µg/√Hz	147 (µm/sec <sup>2</sup> )/√Hz	[3]
Spectral Noise (10 kHz)	10 µg/√Hz	98 (µm/sec <sup>2</sup> )/√Hz	[3]
<b>Physical</b>			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Stainless Steel	Stainless Steel	
Sealing	Welded Hermetic	Welded Hermetic	
Size (Hex x Height)	3/8 in x 0.81 in	3/8 in x 21.6 mm	
Weight	0.21 oz	6.0 gm	[3]
Electrical Connector	5-44 Coaxial	5-44 Coaxial	
Electrical Connection Position	Top	Top	
Mounting	Integral Stud	Integral Stud	
Mounting Thread	10-32 Male	10-32 Male	

**Optional Versions** (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)

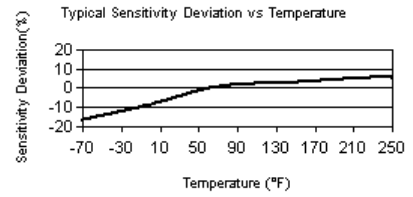
<b>A - Adhesive Mount</b>	Adhesive	Adhesive
Mounting	None - Adhesive	None - Adhesive
Mounting Thread	Mount Only	Mount Only

Supplied Accessory: Model 080A90 Quick bond Gel (for use with accelerometer adhesive mtg bases to fill gaps on rough surfaces)

<b>M - Metric Mount</b>	M6 x 0.75 Male	(M6 x 0.75 Male)
Mounting Thread		

- Notes**
- [1] >6 mA excitation current required when driving cables longer than 50 ft (15.2 m) to avoid distortion and maintain full range
  - [2] Calculated.
  - [3] Typical.
  - [4] Zero-based, least-squares, straight line method.
  - [5] Transverse sensitivity is typically ≤ 3%.
  - [6] See PCB Declaration of Conformance PS023 for details.

**Supplied Accessories**  
ACS-52 Single axis amplitude response calibration from -3 dB to +3 dB frequency range (1)



Entered: LLH	Engineer: BAM	Sales: EB	Approved: LLH	Spec Number:
Date: 09/30/2008	Date: 09/29/2008	Date: 09/30/2008	Date: 10/01/2008	<b>20490</b>



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