

Performance	ENGLISH	SI	
Sensitivity (±5 %)	1000 mV/g	101.9 mV/(m/s ²)	[5]
Measurement Range	±2 g pk	±19.6 m/s ² pk	
Frequency Range (±5 %)	0 to 250 Hz	0 to 250 Hz	
Frequency Range (±10 %)	0 to 350 Hz	0 to 350 Hz	
Resonant Frequency	≥1.3 kHz	≥1.3 kHz	
Phase Response (10 Hz)	<2.5 °	<2.5 °	
Broadband Resolution (0.5 to 100 Hz)	0.25 mg rms	0.0025 m/s ² rms	[2]
Non-Linearity	≤1 %	≤1 %	[6]
Transverse Sensitivity	≤3 %	≤3 %	
Environmental			
Overload Limit (Shock)	±3000 g pk	±29420 m/s ² pk	
Temperature Range (Operating)	-65 to +250 °F	-54.0 to +121 °C	
Temperature Range (Storage)	-65 to +250 °F	-54.0 to +121 °C	
Temperature Coefficient of Sensitivity	±3 %	±3 %	[3]
Zero g Offset Temperature Coefficient	±2 %FSO	±2 %FSO	[4][3]
Base Strain Sensitivity	0.0001 g/με	0.001 (m/s ²)/με	[2]
Magnetic Sensitivity	43.7 μg/gauss	4.29 (m/s ²)/Tesla	[2]
Electrical			
Excitation Voltage	6 to 30 VDC	6 to 30 VDC	
Current Consumption	≤5 mA	≤5 mA	
Output Impedance	≤100 Ohm	≤100 Ohm	
Offset Voltage (0 g)	±40 mVDC	±40 mVDC	[1]
Spectral Noise (1 to 100 Hz)	22.9 μg/√Hz	225 (μm/sec ²)/√Hz	[2]
Electrical Isolation (Case)	>10 ⁸ Ohm	>10 ⁸ Ohm	
Physical			
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Size (Length x Width x Height)	0.8 in x 0.8 in x 0.8 in	20.3 mm x 20.3 mm x 20.3 mm	
Weight	0.6 oz	17.3 gm	
Electrical Connector	9-Pin	9-Pin	
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 standard model except where noted below. More than one option maybe used.)

- Notes**
- [1] Offset tolerance is based on 10 ft of 037 test cable.
 - [2] Typical.
 - [3] -65 to +250 °F, ref. 75 °F (-54 to +121 °C, ref. 24 °C)
 - [4] FSO = Full Scale Output over the Measurement Range (4VDC).
 - [5] Measured at 5 Hz, 1/2 grms.
 - [6] Zero-based, least-squares, straight line method.
 - [7] See PCB Declaration of Conformance PS027 for details.

- Supplied Accessories**
- [3] 080A12 Adhesive Mounting Base (1)
 - [4][3] 081B05 Mounting Stud (10-32 to 10-32) (1)
 - [2] ACS-85T (1)
 - [2] 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.
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