

	ENGLISH	SI	
Performance			
Sensitivity (±5 %)	40 mV/g	4.1 mV/(m/s ²)	[5]
Measurement Range	±50 g pk	±490.5 m/s ² pk	
Frequency Range (±5 %)	0 to 1000 Hz	0 to 1000 Hz	
Frequency Range (±10 %)	0 to 1300 Hz	0 to 1300 Hz	
Resonant Frequency	≥5.1 kHz	≥5.1 kHz	
Phase Response (100 Hz)	<10 °	<10 °	
Broadband Resolution (0.5 to 100 Hz)	6.0 mg rms	.059 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	.0001 g/με	.001 (m/s ²)/με	[2]
Magnetic Sensitivity	40 μg/gauss	3.9 (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)	600 μg/√Hz	5890 (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 (with cable)	4.2 oz	119 gm	
Electrical Connector	Integral Cable	Integral Cable	
Electrical Connection Position	Side	Side	
Cable Type	037 10-cond Shielded	037 10-cond Shielded	
Cable Length	10 ft	3.05 m	
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 100 Hz, 10 grms.
 - [6] Zero-based, least-squares, straight line method.
 - [7] See PCB Declaration of Conformance PS027 for details.

- Supplied Accessories**
- 080A12 Adhesive Mounting Base (1)
 - 081B05 Mounting Stud (10-32 to 10-32) (1)
 - ACS-103T Triaxial Calibration Phase and Magnitude from 2 Hz to +5% using Linear scale (1)
 - 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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