Magnet Mount Accelerometer, Side Exit Connector, 100 mV/g

Actual Product Size Shown

Product Features

Standard, Route-Based Sensor

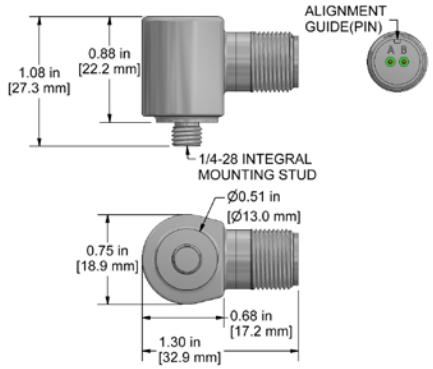
Excellent Sensor for Trending

- *Specifically Designed to Use with MH128-1A Magnet*
- *Comfortable Ergonomic Design Makes Data Collection Easy*
- *±50 g, Peak Dynamic Range*

AC146-1D

2 Pin Connector

Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common

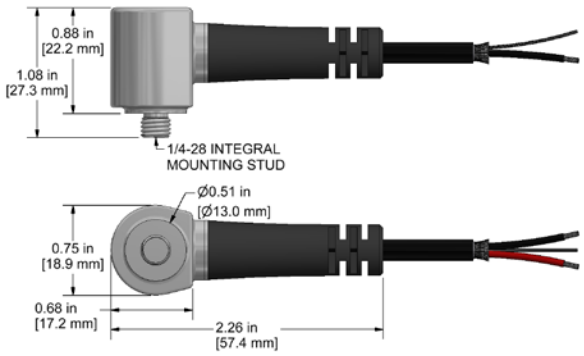


Specifications	Standard	Metric
Part Number	AC146	
Vibration		
Sensitivity (±10%)	100 mV/g	
Frequency Response (±3dB)	36-900,000 CPM	0,6-15000 Hz
Frequency Response (±10%)	60-420,000 CPM	1,0-10 kHz
Dynamic Range	± 50 g, peak	
Electrical		
Settling Time	<2.5 seconds	
Voltage Source (IEPE)	18-30 VDC	
Constant Current Excitation	2-10 mA	
Spectral Noise @ 10 Hz	14 µg/√Hz	
Spectral Noise @ 100 Hz	2.3 µg/√Hz	
Spectral Noise @ 1000 Hz	2 µg/√Hz	
Output Impedance	<100 ohm	
Bias Output Voltage	10-14 VDC	
Case Isolation	>10^8 ohm	

AC146-2D

Integral Cable

Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Specifications	Standard	Metric
Environmental		
Temperature Range	-58 to 250°F	-50 to 121°C
Maximum Shock Protection	5,000 g, peak	
Electromagnetic Sensitivity	CE	
Sealing	Welded, Hermetic	
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	1.6 oz	45.3 grams
Case Material	316L Stainless Steel	
Mounting	1/4-28 Integral Stud	
Connector (non-integral)	2 Pin mini-MIL	
Resonant Frequency	2,040,000 CPM	32000 Hz
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Calibration Certificate	CA10	

Ordering Information

Standard	AC146-1D (1/4-28 Integral Stud)	AC146-2D / (1/4-28 Integral Stud)	(length in feet)	(termination)
	Stock Product	Build To Order		