

AC146 Series

Miniature Industrial, Magnet Mount, Multipurpose Accelerometer,
Side Exit 2 Pin Mini-MIL Connector, 100 mV/g, ±10%

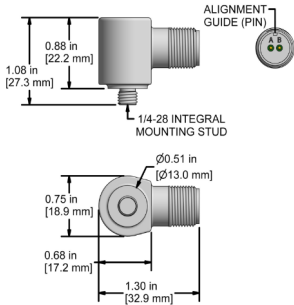


Product Features

- Standard, Route-Based Sensor
- Excellent Sensor for Trending
- Specifically Designed to Use with MH128-1A Magnet
 - Comfortable Ergonomic Design Makes Data Collection Easy

AC146-1D
2 Pin mini-MIL Connector

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



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Sensitivity (±10%)		100 mV/g	<u>Environmental</u>		
Frequency Response (±3dB)	36-900,000 CPM	0,6-150000	Operating Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±10%)	60-420,000 CPM	1,0-100000	Maximum Shock Protection		5,000 g, peak
Dynamic Range	± 80 g, peak *Vsource ≥ 22V, 12Vbias		Electromagnetic Sensitivity		CE
			Sealing		Welded, Hermetic
			SIL Rating		SIL 2
			<u>Physical</u>		
Settling Time	<2.5 seconds		Sensing Element		PZT Ceramic
Voltage Source (IEPE)	18-30 VDC		Sensing Structure		Shear Mode
Constant Current Excitation	2-10 mA		Weight	1.6 oz	45.3 grams
Spectral Noise @ 10 Hz	30 µg/√Hz		Case Material	316L	
Spectral Noise @ 100 Hz	4 µg/√Hz			Stainless Steel	
Spectral Noise @ 1000 Hz	2 µg/√Hz			1/4-28	
Output Impedance	<100 ohm		Mounting Thread	Integral Stud	
Bias Output Voltage	10-14 VDC			2 Pin mini-MIL	
Case Isolation	>10 ⁸ ohm		Resonant Frequency	2,040,000 CPM	34000 Hz
			Mounting Torque	2 to 5 ft. lbs.	2,7 to 6.8 Nm