

AC246 Series

Premium, Miniature Industrial, Magnet Mount Accelerometer, Side Exit 2 Pin Mini-MIL Connector, 100 mV/g, ±5%



VIBRATION ANALYSIS HARDWARE



Product Features

Premium, Route-Based Sensor

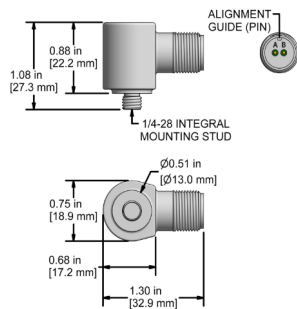
High Performance at a Reasonable Price

- ▶ Specifically Designed to Use with MH128-1A Magnet
- ▶ Comfortable Ergonomic Design Makes Data Collection Easy

AC246-1D

2 Pin mini-MIL Connector

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

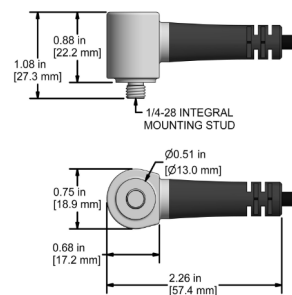


Stock Product

AC246-2D

Integral Cable

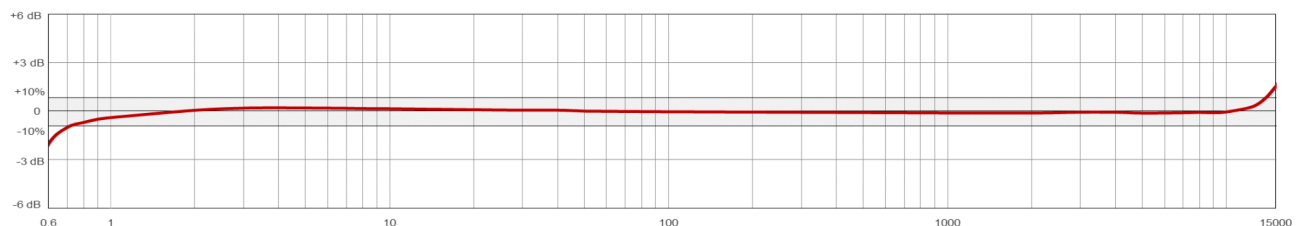
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Sensitivity (±5%)		100 mV/g	Environmental		
Frequency Response (±3dB)	36-900,000 CPM	0,6-15000 Hz	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±10%)	60-420,000 CPM	1,0-10000 Hz	Maximum Shock Protection		5,000 g, peak
Frequency Response (±5%)	120-420,000 CPM	2,0-7000 Hz	Electromagnetic Sensitivity		CE
Dynamic Range		± 50 g, peak	Sealing		Welded, Hermetic
Electrical			Physical		
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 Stainless Steel
Spectral Noise @ 100 Hz	4 µg/√Hz		Mounting		1/4-28 Integral Stud
Spectral Noise @ 1000 Hz	2 µg/√Hz		Connector (Non-Integral)		2 Pin mini-MIL
Output Impedance	<100 ohm		Resonant Frequency	2,040,000 CPM	34000 Hz
Bias Output Voltage	10-14 VDC		Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Case Isolation	>10 ⁸ ohm		Calibration Certificate		CA10

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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