

# AC246 Series

Premium Magnet Mount Accelerometer, Side Exit mini-MIL, 100 mV/g



VIBRATION ANALYSIS HARDWARE



## Product Features

Premium, Route-Based Sensor

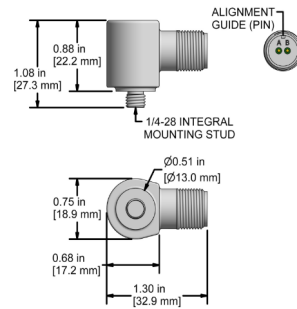
High Performance at a Reasonable Price

- ▶ Specifically Designed to Use with MH128-1A Magnet
- ▶ Comfortable Ergonomic Design Makes Data Collection Easy
- ▶ 100 mV/g  $\pm$  5%

### AC246-1D

2 Pin mini-MIL Connector

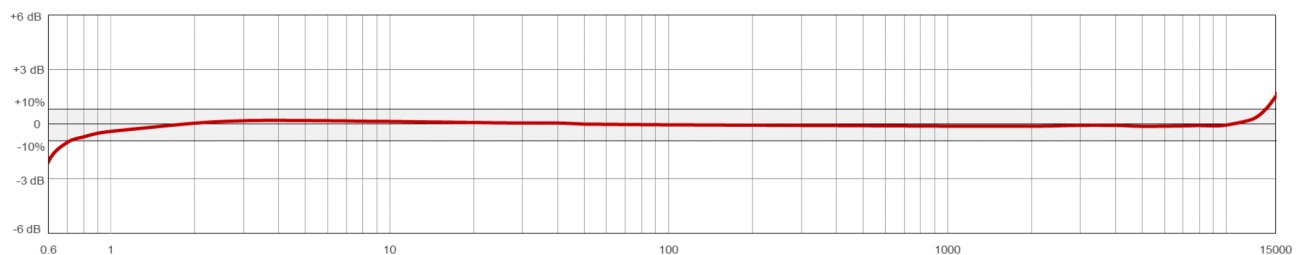
Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Sensitivity ( $\pm$ 5%)		100 mV/g	<u>Environmental</u>		
Frequency Response ( $\pm$ 3dB)	36-900,000 CPM	0,6-15000 Hz	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response ( $\pm$ 10%)	60-420,000 CPM	1,0-10000 Hz	Maximum Shock Protection		5,000 g, peak
Frequency Response ( $\pm$ 5%)	120-420,000 CPM	2,0-7000 Hz	Electromagnetic Sensitivity		CE
Dynamic Range		$\pm$ 50 g, peak	Sealing		Welded, Hermetic
<u>Electrical</u>			<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 $\mu$ g/ $\sqrt$ Hz	Case Material		316L Stainless Steel
Spectral Noise @ 100 Hz		4 $\mu$ g/ $\sqrt$ Hz	Mounting		1/4-28 Integral Stud
Spectral Noise @ 1000 Hz		2 $\mu$ g/ $\sqrt$ 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 <sup>8</sup> ohm	Calibration Certificate		CA10

## Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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