

AC216 Series

Premium Magnet Mount Accelerometer, Side Exit 2 Pin Connector,
100 mV/g, $\pm 5\%$



VIBRATION ANALYSIS HARDWARE



Product Features

Premium Route-Based Sensor

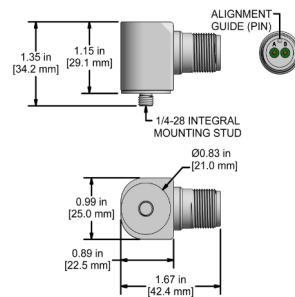
High Performance at a Reasonable Price

- Specifically Designed to Use with MH214-3A Magnet
- Comfortable Ergonomic Design Makes Data Collection Easy
- ± 80 g, Dynamic Range, $\pm 5\%$ Sensitivity

AC216-1A

2 Pin 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 (± 3 dB)	30-900,000 CPM	0.5-15000 Hz	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response ($\pm 10\%$)	60-600,000 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		± 80 g, peak	Sealing		Welded, Hermetic
<u>Electrical</u>			<u>Physical</u>		
Settling Time	<2.0 seconds		Sensing Element		PZT Ceramic
Voltage Source (IEPE)	18-30 VDC		Sensing Structure		Shear Mode
Constant Current Excitation	2-10 mA		Weight	4.4 oz	124 grams
Spectral Noise @ 10 Hz	8 $\mu\text{g}/\sqrt{\text{Hz}}$		Case Material		316L Stainless Steel
Spectral Noise @ 100 Hz	4 $\mu\text{g}/\sqrt{\text{Hz}}$		Mounting		1/4-28
Spectral Noise @ 1000 Hz	2 $\mu\text{g}/\sqrt{\text{Hz}}$		Connector (Non-Integral)		2 Pin MIL-C-5015
Output Impedance	<100 ohm		Resonant Frequency	1,560,000 CPM	26000 Hz
Bias Output Voltage	10-14 VDC		Mounting Torque		2 to 5 ft. lbs.
Case Isolation	>10 ⁸ ohm		Mounting Hardware	1/4-28 Integral Stud	
			Calibration Certificate		CA10

Typical Frequency Response

