

AC216 Series

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



VIBRATION ANALYSIS HARDWARE



Product Features

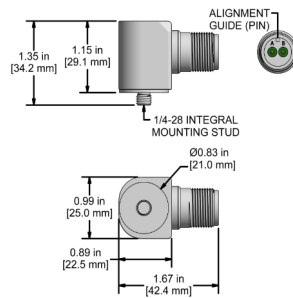
Premium Route-Based Sensor

High Performance at a Reasonable Price

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

AC216-1A 2 Pin Connector

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



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Sensitivity (±5%)		100 mV/g	<u>Environmental</u>		
Frequency Response (±3dB)	30-900,000 CPM	0,5-15000	Operating Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±10%)	60-600,000 CPM	1,0-10000	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±5%)	120-420,000 CPM	2,0-7000 Hz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 80 g, peak		Sealing	Welded, Hermetic	
	*Vsource ≥ 22V, 12Vbias		SIL Rating	SIL 2	
<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 µg/√Hz		Case Material	316L Stainless Steel	
Spectral Noise @ 100 Hz	4 µg/√Hz		Mounting Thread	1/4-28 Integral Stud	
Spectral Noise @ 1000 Hz	2 µg/√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				