

AC216 Series

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

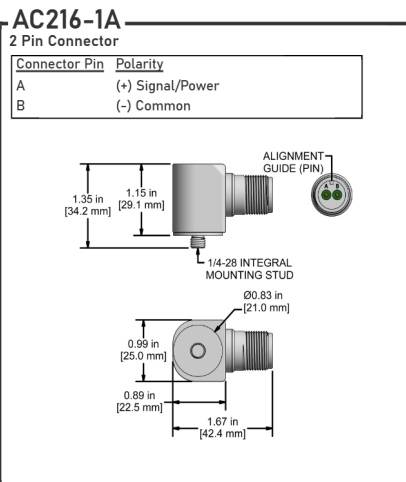


Product Features

Premium, Route-Based Sensor

High Performance at a Reasonable Price

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



Specifications	Standard	Metric	Specifications	Standard	Metric
Sensitivity (±5%)		100 mV/g	Environmental		
Frequency Response (±3dB)	30-900,000 CPM	0.5-15000 Hz	Operating Temperature Range	-58 to 250 °F	-50 to 121 °C
Frequency Response (±10%)	60-600,000 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		± 80 g, peak *Vsource ≥ 22V, 12Vbias	Sealing		Welded, Hermetic
Electrical			SIL Rating		SIL 2
Settling Time		<2.0 seconds	Physical		
Voltage Source		18-30 VDC	Sensing Element		PZT Ceramic
Constant Current Excitation		2-10 mA	Sensing Structure		Shear Mode
Spectral Noise @ 10 Hz		8 µg/√Hz	Weight	4.4 oz	124 grams
Spectral Noise @ 100 Hz		4 µg/√Hz	Case Material		316L Stainless Steel
Spectral Noise @ 1000 Hz		2 µg/√Hz	Mounting Thread		1/4-28 Integral Stud
Output Impedance		<100 ohm	Connector (Non-Integral)		2 Pin MIL-C-5015
Bias Output Voltage		10-14 VDC	Resonant Frequency	1,560,000 CPM	26000 Hz
Case Isolation		>10 ⁸ ohm	Mounting Torque		2 to 5 ft. lbs.
			Mounting Hardware Supplied		1/4-28 Integral Stud
			Calibration Certificate		CA10

Typical Frequency Response

