

AC216 Series

Premium Series, Magnet Mount Accelerometer, Side Exit Connector, 100 mV/g

Actual Product Size Shown



Product Features

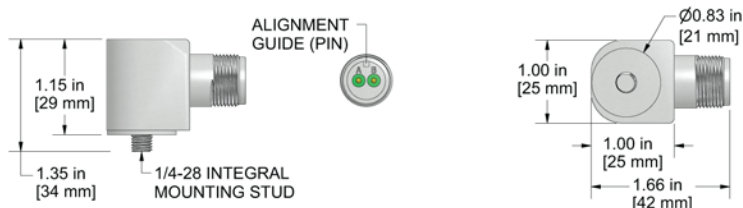
Premium Route-Based Sensor
High Performance at a Reasonable Price

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

AC216-1A

2 Pin Connector

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



Specifications	Standard	Metric
Part Number	AC216	
Sensitivity ($\pm 5\%$)	100 mV/g	
Frequency Response (± 3 dB)	30-900,000 CPM	0.5-15000 Hz
Frequency Response ($\pm 10\%$)	60-600,000 CPM	1.0-10000 Hz
Frequency Response ($\pm 5\%$)	120-420,000 CPM	2.0-7000 Hz
Dynamic Range	± 80 g, peak	
Electrical		
Settling Time	<2.5 seconds	
Voltage Source (IEPE)	18-30 VDC	
Constant Current Excitation	2-10 mA	
Spectral Noise @ 10 Hz	8 $\mu\text{g}/\sqrt{\text{Hz}}$	
Spectral Noise @ 100 Hz	0.82 $\mu\text{g}/\sqrt{\text{Hz}}$	
Spectral Noise @ 1000 Hz	0.3 $\mu\text{g}/\sqrt{\text{Hz}}$	
Output Impedance	<100 ohm	
Bias Output Voltage	10-14 VDC	
Case Isolation	>10 ⁸ ohm	

Specifications	Standard	Metric
Environmental		
Temperature Range	-58 to 250°F	-50 to 121°C
Maximum Shock Protection	5,000 g, peak	
Electromagnetic Sensitivity	CE	
Sealing	IP68	
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	4.4 oz	124 grams
Case Material	316L Stainless Steel	
Mounting	1/4-28	
Connector (non-integral)	2 Pin MIL-C-5015	
Resonant Frequency	1,380,000 CPM	23000 Hz
Mounting Torque	2 to 5 ft. lbs.	2.7 to 6.8 Nm
Mounting Hardware	1/4-28 Integral Stud	M6x1 Integral Stud
Calibration Certificate	CA10	

Ordering Information

Standard	AC216-1A (1/4-28 Stud)
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Backed by our Unconditional Lifetime Warranty

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