

# AC116 Series

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



Actual Product Size Shown



## Product Features

**Standard, Route-Based Sensor**

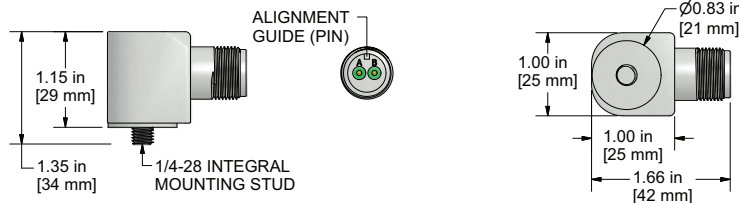
**Excellent Sensor for Trending**

- Specifically Designed to Use with MH214-3A Magnet
- Comfortable Ergonomic Design Makes Data Collection Easy
- $\pm 50$  g, Dynamic Range

### AC116-1A

2 Pin Connector

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



Specifications	Standard	Metric
Part Number	AC116	
Sensitivity ( $\pm 10\%$ )	100 mV/g	
Frequency Response ( $\pm 3$ dB)	30-900,000 CPM	0,5-15000 Hz
Frequency Response ( $\pm 10\%$ )	120-600,000 CPM	2,0-10000 Hz
Dynamic Range	$\pm 50$ g, peak	
<b>Electrical</b>		
Settling Time	<2.5 seconds	
Voltage Source	18-30 VDC	
Constant Current Excitation	2-10 mA	
Spectral Noise @ 10 Hz	14 $\mu$ g/ $\sqrt$ Hz	
Spectral Noise @ 100 Hz	2.3 $\mu$ g/ $\sqrt$ Hz	
Spectral Noise @ 1000 Hz	2 $\mu$ g/ $\sqrt$ Hz	
Output Impedance	<100 ohm	
Bias Output Voltage	10-14 VDC	
Case Isolation	>10 <sup>8</sup> ohm	

Specifications	Standard	Metric
<b>Environmental</b>		
Temperature Range	-58 to 250° F	-50 to 121°C
Maximum Shock Protection	5,000 g, peak	
Electromagnetic Sensitivity	CE	
Sealing	Welded, Hermetic	
<b>Physical</b>		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	4.4 oz	124 grams
Case Material	316L Stainless Steel	
Mounting	1/4-28 Integral Stud	
Connector (non-integral)	2 Pin MIL-C-5015	
Resonant Frequency	1,320,000 CPM	22000 Hz
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Calibration Certificate	CA10	

### Ordering Information

Standard	AC116-1A (1/4-28 Integral Stud)



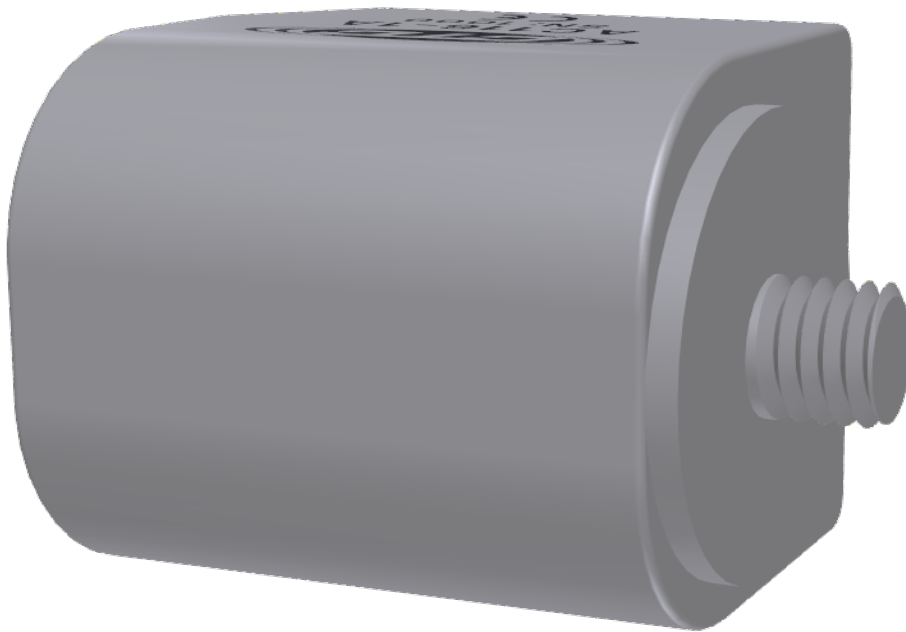
VIBRATION ANALYSIS HARDWARE

**Backed by our Unconditional Lifetime Warranty**



VIBRATION ANALYSIS HARDWARE

- LEFT CLICK & DRAG TO ROTATE MODEL
- RIGHT CLICK & DRAG TO ZOOM
- HOLD BOTH MOUSE BUTTONS TO PAN



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