

AC116 Series

Magnet Mount Accelerometer, Side Exit 2 Pin Connector, 1/4-28
Integral Mounting Stud, 100 mV/g, ±10%



VIBRATION ANALYSIS HARDWARE



Product Features

Standard, Route-Based Sensor

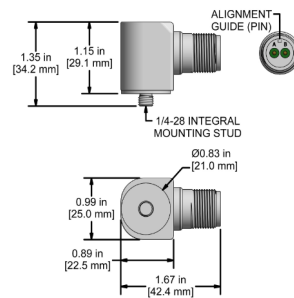
Excellent Sensor for Trending

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

AC116-1A

2 Pin Connector

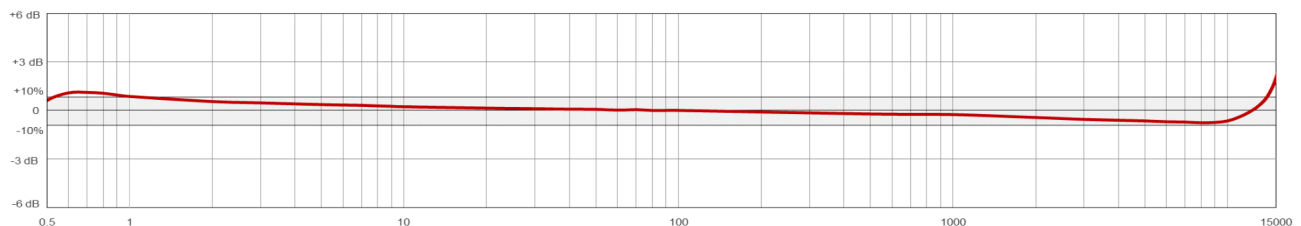
Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Sensitivity (±10%)	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%)	120-600,000 CPM	2.0-10000 Hz	Maximum Shock Protection	5,000 g, peak	
Dynamic Range	± 80 g, peak *Vsource ≥ 22V, 12Vbias		Electromagnetic Sensitivity	CE	
Electrical			Sealing	Welded, Hermetic	
Settling Time	<2.5 seconds		SIL Rating	SIL 2	
Voltage Source (IEPE)	18-30 VDC		Physical		
Constant Current Excitation	2-10 mA		Sensing Element	PZT Ceramic	
Spectral Noise @ 10 Hz	14 µg/√Hz		Sensing Structure	Shear Mode	
Spectral Noise @ 100 Hz	2.3 µg/√Hz		Weight	4.4 oz	124 grams
Spectral Noise @ 1000 Hz	2 µg/√Hz		Case Material	316L Stainless Steel	
Output Impedance	<100 ohm		Mounting Thread	1/4-28 Integral Stud	
Bias Output Voltage	10-14 VDC		Connector (Non-Integral)	2 Pin MIL-C-5015	
Case Isolation	<10 ⁸ ohm		Resonant Frequency	1,380,000 CPM	23000 Hz
			Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
			Calibration Certificate	CA10	

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty & Free Annual Recalibration Service

www.ctconline.com | sales@ctconline.com | 585-924-5900