

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

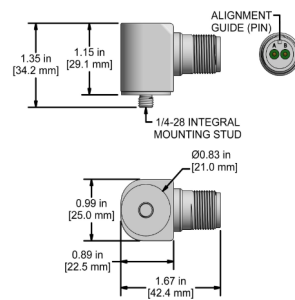
Standard, Route-Based Sensor

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	Operating Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±10%)	120-600,000 CPM	2,0-10000	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