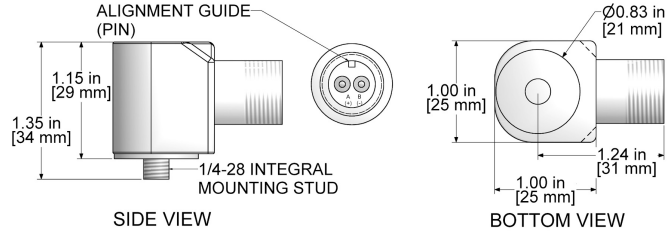


AC116-1A

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

AC116-1A 2 Pin Connector

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



Part Numbers & Ordering Information:	AC116-1A	Magnet Mount accelerometer, 100 mV/g, 2 pin side connector
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<u>Performance Specifications</u>	<u>English</u>	<u>Metric</u>	<u>Environmental</u>	<u>English</u>	<u>Metric</u>
Sensitivity ±10%	100 mV/g	100 mV/g	Temperature Range	-58 to 250° F	-50 to 121° C
Frequency Response ±3 dB ±10%	30-900,000 CPM 120-600,000 CPM	0.5-15000 Hz 2,0-10000 Hz	Maximum Shock Protection	5,000 g, peak	5000 g, peak
Dynamic Range	±50 g, peak	±50 g, peak	Electromagnetic Sensitivity	CE	CE
Electrical			Sealing	Welded, Hermetic	Welded, Hermetic
Settling Time (Turn on Time) @ Room Temp (68°F/20°C)	<2.5 Seconds	<2.5 Seconds	Physical		
Power Requirement			Sensing Element	PZT Ceramic	PZT Ceramic
Voltage Source	18-30 VDC	18-30 VDC	Sensing Structure	Shear Mode	Shear Mode
Constant Current Excitation	2-10 mA	2-10 mA	Weight	4.3 oz.	124 grams
Electrical Noise (Typical)			Case Material	316L Stainless Steel	316L Stainless Steel
Broadband 2.5 Hz to 25 kHz	200 µg, rms	200 µg, rms	Mounting Stud	1/4-28 Integral Stud	1/4-28 Integral Stud
Spectral 10 Hz	14 µg/√Hz	14 µg/√Hz	Connector (AC116-1A)	2 Pin MIL-C-5015	2 Pin MIL-C-5015
100 Hz	2.3 µg/√Hz	2.3 µg/√Hz	Mechanical		
1000 Hz	2 µg/√Hz	2 µg/√Hz	Resonant Frequency	1,320,000 CPM	22000 Hz
Output Impedance, Max	<100 ohm	<100 ohm	Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Bias Output Voltage	10-14 VDC	10-14 VDC	Supplied Accessories		
Electrical Case Isolation	>10 ⁸ ohm	>10 ⁸ ohm	Calibration Certificate	CA10	CA10

Common Applications

Industries Served

- Automotive
- Pharmaceutical
- Steel
- Manufacturing
- Petrochemical
- Wastewater Treatment
- Military
- Power
- Mining
- Pulp and Paper

Typical Applications

- Air Compressors
- Dryer Sections <250° F (121° C)
- Motors
- Pumps, Underwater
- Air Handlers
- Fans
- Press Sections
- Roll and Process Equipment
- Conveyors
- Fourdriniers
- Presses and Stamping
- Spindles
- Cooling Towers
- Gear Boxes
- Pumps

Measurement Types

- Portable

