



Actual Product Size Shown



Product Features

Standard, Route-Based Sensor

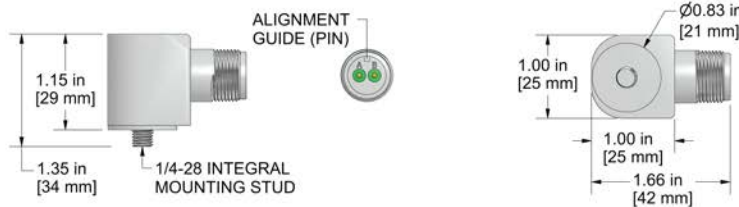
Excellent Sensor for Trending

- Specifically Designed to Use with MH214-3A Magnet
- Comfortable Ergonomic Design Makes Data Collection Easy
- ± 50 g, Peak 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 (± 3 dB) | 30-900,000 CPM | 0,5-15000 Hz |
| Frequency Response ($\pm 10\%$) | 120-600,000 CPM | 2,0-10000 Hz |
| Dynamic Range | ± 50 g, peak | |
| Electrical | | |
| Settling Time | <2.5 seconds | |
| Voltage Source | 18-30 VDC | |
| Constant Current Excitation | 2-10 mA | |
| Spectral Noise @ 10 Hz | 14 μ g/ \sqrt Hz | |
| Spectral Noise @ 100 Hz | 2.3 μ g/ \sqrt Hz | |
| Spectral Noise @ 1000 Hz | 2 μ g/ \sqrt Hz | |
| Output Impedance | <100 ohm | |
| Bias Output Voltage | 10-14 VDC | |
| Case Isolation | >10 ⁹ 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 | Welded, Hermetic | |
| Physical | | |
| 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) |
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