

AC926 Series

Class I, Division 2 / Zone 2 Accelerometer, For Use In "Non-Arcing, Non-Sparking" Environments, Side Exit Connector, 100 mV/g

**Must Use "Class I, Division 2"
CB190 Cable and D2Q Connectors
Product Features**

Class I, Division 2 / Zone 2 Rating

Excellent for Higher g Applications



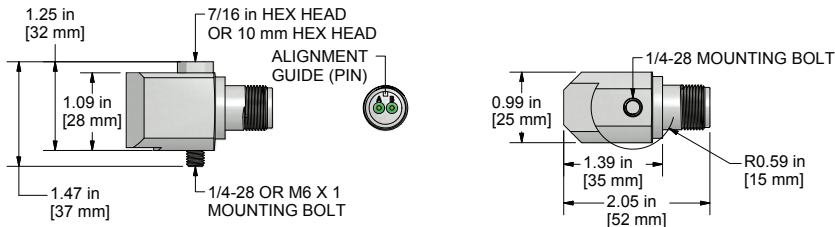
Actual Product Size Shown

- ± 50 g, Dynamic Range
- 100 mV/g, $\pm 10\%$ Sensitivity
- 0,5-8600 Frequency Response

AC926-1A

2 Pin Connector

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



Specifications	Standard	Metric
Part Number	AC926	M/AC926
Sensitivity ($\pm 10\%$)		100 mV/g
Frequency Response (± 3 dB)	30-516,000 CPM	0,5-8600 Hz
Frequency Response ($\pm 10\%$)	60-300,000 CPM	1,0-5000 Hz
Dynamic Range		± 50 g, peak
Electrical		
Settling Time		<3 Seconds
Voltage Source		18-28 VDC
Constant Current Excitation		2-4 mA
Spectral Noise @ 10 Hz		6.5 μ g/ \sqrt Hz
Spectral Noise @ 100 Hz		2 μ g/ \sqrt Hz
Spectral Noise @ 1000 Hz		1.8 μ g/ \sqrt Hz
Output Impedance		<100 ohm
Bias Output Voltage		10-14 VDC
Case Isolation		>10 ⁸ 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	5.3 oz	150 grams
Case Material		316L Stainless Steel
Mounting		1/4-28
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
Mounting Hardware	1/4-28 Captive Bolt	M6x1 Captive Bolt
Calibration Certificate		CA10

Ordering Information

Standard	AC926-1A (1/4-28 Captive Bolt)
Metric	M/AC926-1A (M6x1 Captive Bolt)

Read Before Purchasing
Important information on
Regulatory Approvals and Requirements
on Page 42



Backed by our Unconditional Lifetime Warranty