

AC104 Series

Multipurpose Accelerometer, Side Exit 2 Pin Connector, 100 mV/g, ±10%



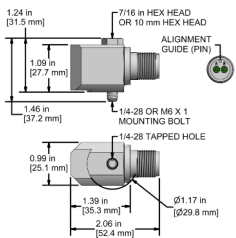
Product Features

**Affordably Priced, Hermetically Sealed Sensors
Perfect for Thousands of Applications**

- ▶ 100 mV/g Sensitivity
- ▶ ± 80 g, peak Dynamic Range
- ▶ Standard 2 Pin MIL Connection or Integral Cable

AC104-1A
2 Pin Connector

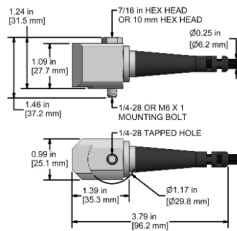
<u>Connector</u>	<u>Polarity</u>
<u>Pin</u>	
A	(+) Signal/Power
B	(-) Common



Stock Product

-AC104-2C _____
CB103 Integral Cable

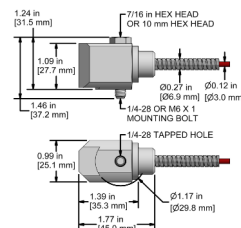
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

AC104-3C
CB206 Armored Integral
Cable

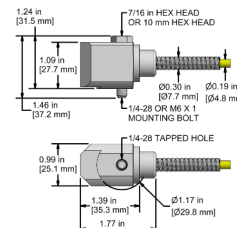
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

AC104-6C
CB611 Heavy Duty
Armored Integral Cable

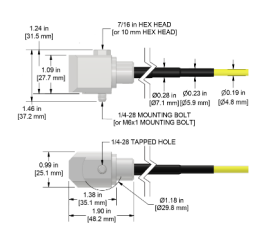
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

AC104-6N
CB111 FEP Jacketed
Integral Cable

Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC104	M/AC104	<u>Environmental</u>		
Sensitivity (±10%)	100 mV/g		Operating Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±3dB)	30-600,000 CPM	0,5-100,000 Hz	Maximum Shock Protection		5,000 g, peak
Frequency Response (±10%)	120-420,000 CPM	2,0-7000 Hz	Electromagnetic Sensitivity		CE
			Sealing		Welded, Hermetic
Dynamic Range	± 80 g, peak *Vsource ≥ 22V, 12Vbias		Submersible Depth	200 ft.	60 m
			SIL Rating		SIL 2
<u>Electrical</u>			<u>Physical</u>		
Settling Time	<2.5 seconds		Sensing Element		PZT Ceramic
Voltage Source (IEPE)	18-30 VDC		Sensing Structure		Shear Mode
Constant Current Excitation	2-10 mA		Weight	5.1 oz	145 grams
Spectral Noise @ 10 Hz	14 µg/√Hz				316L
Spectral Noise @ 100 Hz	2.3 µg/√Hz		Case Material		Stainless Steel
Spectral Noise @ 1000 Hz	2 µg/√Hz				
Output Impedance	<100 ohm		Connector (Non-Integral)		2 Pin MIL-C-5015
Bias Output Voltage	10-14 VDC				
Case Isolation	>10 ⁸ ohm		Resonant Frequency	1,320,000 CPM	22000 Hz
			Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm