

AC184 Series

Multipurpose Accelerometer, Side Exit 2 Pin Connector, M8x1.25
Captive Bolt, 100 mV/g, ±10%

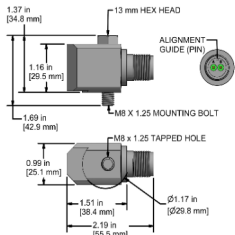


Product Features

- Perfect for M8 Mounting Applications
- High Performance in a Low Cost Sensor
- ▶ 100 mV/g Sensitivity, ± 10%
 - ▶ ± 80 g, peak Dynamic Range
 - ▶ Standard 2 Pin MIL Connection or Integral Cable

AC184-1A
2 Pin Connector

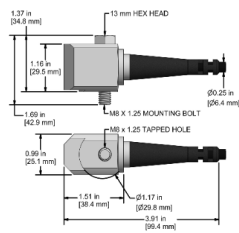
Connector	Polarity
Pin	
A	(+) Signal/Power
B	(-) Common



Stock Product

AC184-2C
CB103 Integral Cable

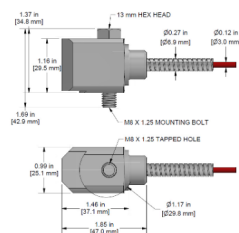
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

AC184-3C
CB206 Armored Integral Cable

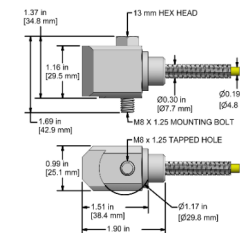
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

AC184-6C
CB611 Heavy Duty Armored Integral Cable

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



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Sensitivity (±10%)	100 mV/g		Environmental		
Frequency Response (±3dB)	30-600,000 CPM	0,5-100000 Hz	Operating Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±10%)	120-300,000 CPM	2,0-5000 Hz	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		Submersible Depth	200 ft.	60 m
Voltage Source (IEPE)	18-30 VDC		SIL Rating	SIL 2	
Constant Current Excitation	2-10 mA		Physical		
Spectral Noise @ 10 Hz	14 µg/√Hz		Sensing Element	PZT Ceramic	
Spectral Noise @ 100 Hz	2.3 µg/√Hz		Sensing Structure	Shear Mode	
Spectral Noise @ 1000 Hz	2 µg/√Hz		Weight	6 oz	170 grams
Output Impedance	<100 ohm		Case Material	316L Stainless Steel	
Bias Output Voltage	10-14 VDC		Mounting Thread	M8x1.25	
Case Isolation	>10 ⁸ ohm		Connector (Non-Integral)	2 Pin MIL-C-5015	
			Resonant Frequency	1,200,000 CPM	20000 Hz
			Mounting Torque	2 to 5 ft.	2,7 to