

AC214 Series

Low Frequency Accelerometer, Top Exit 2 Pin Connector, 1,000 mV/g, ±5%



Product Features

Designed for Low Speed Rotors, Wind Turbine Main Bearings, Gear Box Inputs, and May Also Be Used for High Frequency Detection.

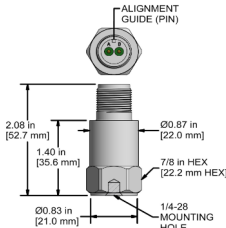
May be used with any application that requires low and high frequency measurements.

- ▶ 1000 mV/g Sensitivity
- ▶ 0.1 Hz to 10 kHz Frequency Response (± 3dB)
- ▶ Standard 2 Pin MIL Connection or Integral Cable

Note: Integral Cable Options are only for Permanent Monitoring Applications

AC214-1D
2 Pin Connector

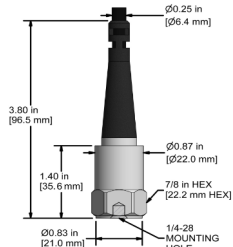
Connector	Polarity
Pin	
A	(+) Signal/Power
B	(-) Common



Stock Product

AC214-2D
CB103 Integral Cable

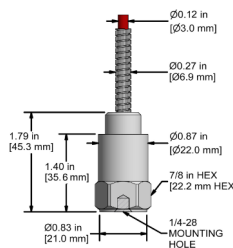
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

AC214-3D
CB206 Armored Integral Cable

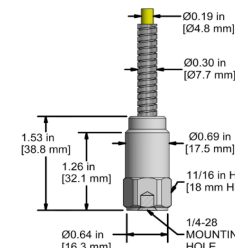
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

AC214-6D
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
Part Number	AC214	M/ or M8/AC214	Environmental		
Sensitivity (±5%)	1000 mV/g		Operating Temperature Range	-58 to 250 °F	-50 to 121 °C
Frequency Response (±3dB)	6-600,000 CPM	0,1-10000 Hz	Maximum Shock Protection	5000 g, peak	
Frequency Response (±10%)	18-480,000 CPM	0,3-8000 Hz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 7 g, peak *Vsource ≥ 22V, 12Vbias		Sealing	Welded, Hermetic	
Electrical			SIL Rating	SIL 2	
Settling Time	< 2 seconds		Physical		
Voltage Source (IEPE)	18-30 VDC		Sensing Element	PZT Ceramic	
Constant Current Excitation	2-10 mA		Sensing Structure	Shear Mode	
Spectral Noise @ 10 Hz	1.3 µg/√Hz		Weight	3.25 oz	92 g
Spectral Noise @ 100 Hz	0.2 µg/√Hz		Case Material	316L Stainless Steel	
Spectral Noise @ 1000 Hz	0.1 µg/√Hz		Mounting Thread	1/4-28 Blind Tapped Hole	
Output Impedance	< 100 ohm		Connector (Non-Integral)	2 Pin MIL-C-5015	
Bias Output Voltage	10-14 VDC				
Case Isolation	> 10 ⁸ ohm				