

AC202 Series

Premium Accelerometer, Top Exit 2 Pin Connector, 100 mV/g, ±5%

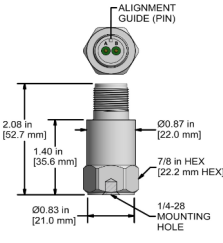


Product Features

- High Performance Sensor for Demanding Applications
- High Dynamic Range with Excellent Frequency Response
 - ▶ ±80 g, Dynamic Range
 - ▶ Excellent Bias Stability throughout operating temperature range

AC202-1A
2 Pin Connector

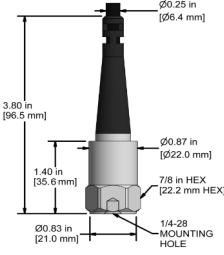
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Stock Product

AC202-2A
CB103 Integral Cable

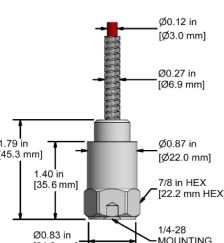
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

AC202-3A
CB206 Armored Integral Cable

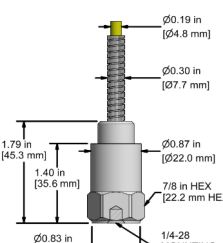
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

AC202-6A
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	AC202	M/ or M8/AC202	<u>Environmental</u>		
Sensitivity (±5%)	100 mV/g		Operating Temperature Range	-58 to 250 °F	-50 to 121 °C
Frequency Response (±3dB)	30-900,000 CPM	0,5-15000 Hz	Maximum Shock Protection	5,000 g, peak	
			Electromagnetic Sensitivity	CE	
Frequency Response (±10%)	60-420,000 CPM	1,0-7000 Hz	Sealing	Welded, Hermetic	
			Submersible Depth	200 ft.	60 m
Dynamic Range	± 80 g, peak *Vsource ≥ 22V, 12Vbias		<u>Physical</u>		
			Sensing Element	PZT Ceramic	
			Sensing Structure	Shear Mode	
<u>Electrical</u>			Weight	3.2 oz	90 grams
Settling Time	<2.0 seconds		Case Material	316L Stainless Steel	
Voltage Source (IEPE)	18-30 VDC		Mounting Thread	1/4-28 Blind Tapped Hole	
Constant Current Excitation	2-10 mA		Connector (Non-Integral)	2 Pin MIL-C-5015	
Spectral Noise @ 10 Hz	8 µg/√Hz		Resonant Frequency	1,560,000 CPM	26000 Hz
Spectral Noise @ 100 Hz	4 µg/√Hz				
Spectral Noise @ 1000 Hz	2 µg/√Hz				
Output Impedance	<100 ohm				
Bias Output Voltage	10-14 VDC				
Case Isolation	>10 ⁸ ohm				