

AC220 Series

Premium Miniature Industrial High G & High Frequency
Accelerometer, Top Exit 2 Pin Mini-MIL Connector, 10 mV/g, ±5%

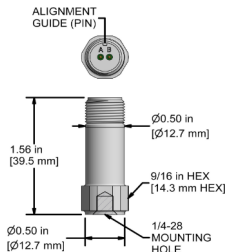


Product Features

- Very High 500g Accelerometer for High Frequency Applications
- For use with High Frequency Applications
- ▶ 1,0 - 25000 Hz (60-1,500,000 CPM) Frequency Response
 - ▶ 10 mV/g, ±5% Sensitivity
 - ▶ 34 kHz Resonant Frequency

AC220-1D
2 Pin Mini Mil Connector

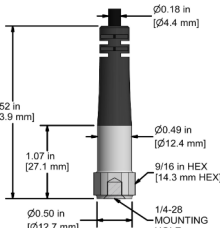
Connector	Polarity
Pin	
A	(+) Signal/Power
B	(-) Common



Stock Product

AC220-2D
CB110 Integral Cable

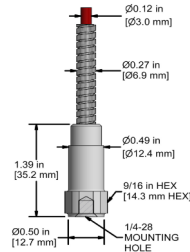
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

AC220-3D
CB206 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	AC220	M/ or M8/AC220	Environmental		
Sensitivity (±5%)	10 mV/g		Operating Temperature Range	-58 to 250 °F	-50 to 121 °C
Frequency Response (±3dB)	60-1,500,000 CPM	1,0-25000 Hz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	90-420,000 CPM	1,5-7000 Hz	Electromagnetic Sensitivity	CE	
Frequency Response (±5%)	180-180,000 CPM	3,0-3000 Hz	Sealing	Welded, Hermetic	
Dynamic Range	± 500 g, peak *Vsource ≥ 22V, 12Vbias		Submersible Depth	200 ft.	60 m
Electrical			SIL Rating	SIL 2	
Settling Time	<3 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	100 µg/√Hz		Weight	0.7 oz	20 grams
Spectral Noise @ 100 Hz	19 µg/√Hz		Case Material	316L Stainless Steel	
Spectral Noise @ 1000 Hz	5 µg/√Hz		Mounting Thread	1/4-28 Blind Tapped Hole	
Output Impedance	<100 ohm		Connector (Non-Integral)	2 Pin mini-MIL	
Bias Output Voltage	10-14 VDC			2,040,000	