

# AC230 Series

Premium Triaxial Accelerometer, Side Exit 4 Pin Mini-MIL Connector, 100 mV/g, ±5%



VIBRATION ANALYSIS HARDWARE



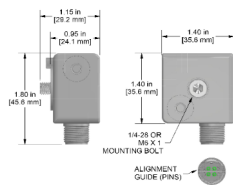
## Product Features

Collect 3 Channels of Data Simultaneously for Faster Data Collection

- ▶ High Performance Triaxial Sensor with High End Frequency Response of 10 kHz (+3dB)
- ▶ Compatible with CTC J Series Mini-MIL Connectors

### AC230-1D 4 Pin Connector

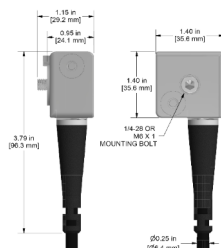
Connector Pin	Polarity
A (Axis Y/3)	(+) Signal/Power
B (Axis X/2)	(+) Signal/Power
C (Axis Z/1)	(+) Signal/Power
D	(-) Common/Grid



Stock Product

### AC230-2D CB105 Integral Cable

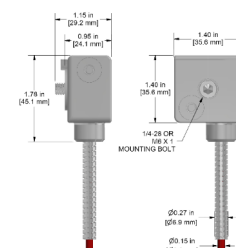
Conductor	Polarity
Red (Axis Y/3)	(+) Signal/Power
Green (Axis X/2)	(+) Signal/Power
White (Axis Z/1)	(+) Signal/Power
Black	(-) Common/Grid



Built To Order

### AC230-3D CB218 Armored Integral Cable

Conductor	Polarity
Red (Axis Y/3)	(+) Signal/Power
Green (Axis X/2)	(+) Signal/Power
White (Axis Z/1)	(+) Signal/Power
Black	(-) Common/Grid



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC230	M/AC230	<b>Environmental</b>		
Sensitivity (±5%)	100 mV/g		Operating Temperature Range	-65 to 250°F	-54 to 121°C
Frequency Response (±3dB)	36-600,000 CPM	0,6-10000 Hz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	60-390,000 CPM	1,0-6500 Hz	Electromagnetic Sensitivity	CE	
Frequency Response (±5%)	480-330,000 CPM	8,0-5500 Hz	Sealing	Welded, Hermetic	
Dynamic Range	± 50 g, peak *Vsource ≥ 22V, 12Vbias		Submersible Depth	200 ft.	60 m
			SIL Rating	SIL 2	
			<b>Physical</b>		
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	7.1 oz	200 grams
Spectral Noise @ 10 Hz	27 µg/√Hz		Case Material	Stainless Steel	
Spectral Noise @ 100 Hz	6.5 µg/√Hz		Connector (Non-Integral)	4 Pin Mini MIL Connector	
Spectral Noise @ 1000 Hz	2.5 µg/√Hz				
Output Impedance	<100 ohm				