

AC230 Series

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



VIBRATION ANALYSIS HARDWARE



Product Features

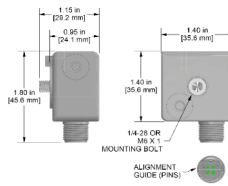
Collect Three Channels of Data Simultaneously for Faster Data Collection

- ▶ 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

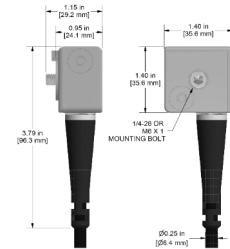


Stock Product

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/GND

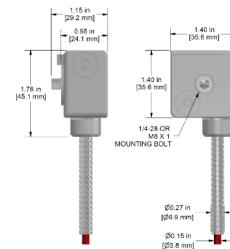


Built To Order

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/GND



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC230	M/AC230	Environmental		
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
Electrical			SIL Rating	SIL 2	
Settling Time	<2.5 seconds		Physical		
Voltage Source	18-30 VDC		Sensing Element	PZT Ceramic	
Constant Current Excitation	2-10 mA		Sensing Structure	Shear Mode	
Spectral Noise @ 10 Hz	27 µg/√Hz		Weight	7.1 oz	200 grams
Spectral Noise @ 100 Hz	6.5 µg/√Hz		Case Material	316L Stainless Steel	
Spectral Noise @ 1000 Hz	2.5 µg/√Hz		Connector (Non-Integral)	4 Pin Mini MIL Connector	
Output Impedance	<100 ohm		Resonant Frequency	1,380,000 CPM	23000 Hz
Bias Output Voltage	10-14 VDC		Mounting Torque	1 to 2 ft. lbs.	1,4 to 2,7 Nm
Case Isolation	>10 ⁸ ohm		Mounting Hardware Supplied	1/4-28 Captive Bolt	M6x1 Captive Bolt
			Calibration Certificate	CA10	

Typical Frequency Response

