

AC230 Series

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



VIBRATION ANALYSIS HARDWARE



Product Features

Premium Triaxial Sensor

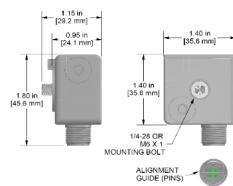
Collect 3 Axis of Data Simultaneously

- ▶ Premium ±5% Sensitivity
- ▶ Reduces Data Collection Time
- ▶ Must Use J4A, J4C, J4N, or V4J Connectors and CB105, CB117, CB119 or CB218 Cables

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

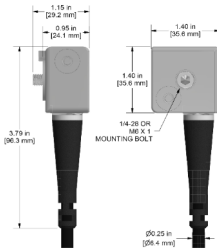


Stock Product

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

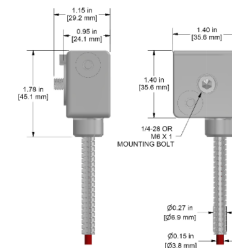


Built To Order

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	Environmental		
Sensitivity (±5%)		100 mV/g	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	Submersible Depth	200 ft.	60 m
Electrical			Physical		
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		316L Stainless Steel
Spectral Noise @ 100 Hz		6.5 µg/√Hz	Mounting		1/4-28
Spectral Noise @ 1000 Hz		2.5 µg/√Hz	Connector (Non-Integral)		4 Pin J 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	1/4-28 Captive Bolt	M6x1 Captive Bolt
			Calibration Certificate		CA10

Typical Frequency Response

