

AC230 Series

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



VIBRATION ANALYSIS HARDWARE



Product Features

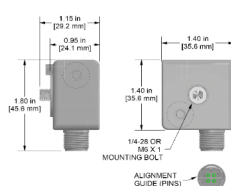
Collect Three Channels of Data Simultaneously for Faster Data Collection

- 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

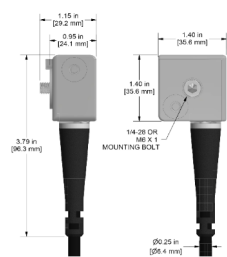


Stock Product

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

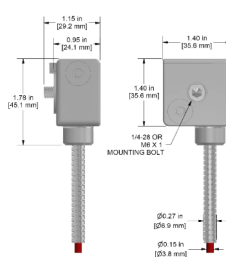


Built To Order

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 ($\pm 5\%$)		100 mV/g	Operating Temperature Range	-65 to 250 °F	-54 to 121 °C
Frequency Response ($\pm 3\text{dB}$)	36-600,000 CPM	0,6-10000 Hz	Maximum Shock Protection		5,000 g, peak
Frequency Response ($\pm 10\%$)	60-390,000 CPM	1,0-6500 Hz	Electromagnetic Sensitivity		CE
Frequency Response ($\pm 5\%$)	480-330,000 CPM	8,0-5500 Hz	Sealing		Welded, Hermetic
Dynamic Range		± 50 g, peak	Submersible Depth	200 ft.	60 m
Transverse Sensitivity		*Vsource $\geq 22\text{V}$, 12Vbias	SIL Rating		SIL 2
		$\leq 5\%$	Physical		
Electrical			Sensing Element		PZT Ceramic
Settling Time		<2.5 seconds	Sensing Structure		Shear Mode
Voltage Source		18-30 VDC	Weight	7.1 oz	200 grams
Constant Current Excitation		2-10 mA	Case Material		316L Stainless Steel
Spectral Noise @ 10 Hz		27 $\mu\text{g}/\sqrt{\text{Hz}}$	Connector (Non-Integral)		4 Pin Mini MIL Connector
Spectral Noise @ 100 Hz		6.5 $\mu\text{g}/\sqrt{\text{Hz}}$	Resonant Frequency	1,380,000 CPM	23000 Hz
Spectral Noise @ 1000 Hz		2.5 $\mu\text{g}/\sqrt{\text{Hz}}$	Mounting Torque	1 to 2 ft. lbs.	1,4 to 2,7 Nm
Output Impedance		<100 ohm	Mounting Hardware Supplied	1/4-28 Captive Bolt	M6x1 Captive Bolt
Bias Output Voltage		10-14 VDC	Calibration Certificate		CA10
Case Isolation		>10 ⁸ ohm			

Typical Frequency Response

