

AC232 Series

Premium Triaxial Accelerometer, Connector, 10 mV/g



VIBRATION ANALYSIS HARDWARE



Product Features

Modal/ODS Triaxial Sensor

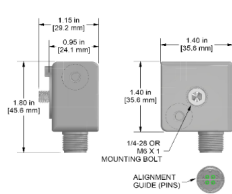
Collect 3 Axes of Data for Modal Analysis and ODS (Operating Deflection Shape)

- ▶ Premium 10 mV/g, ±5% Sensitivity
- ▶ Phase conforms to Cartesian Coordinate System (Right Hand Rule)
- ▶ Must Use J4A, J4C, J4N, or J4P Connectors and CB105, CB117, CB119 or CB218 Cables

AC232-1D

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

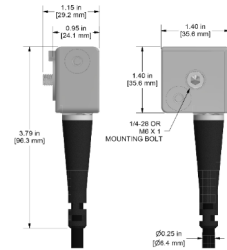


Stock Product

AC232-2D

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

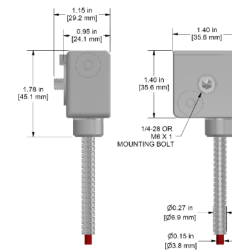


Built To Order

AC232-3D

CB218 Armored Integral Cable

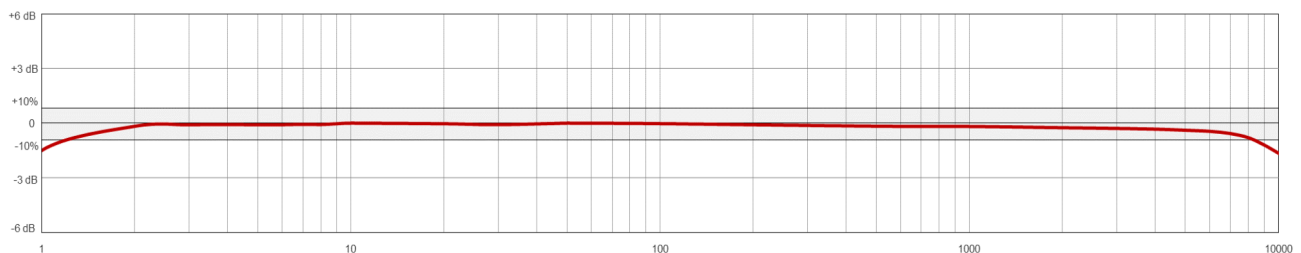
Conductor	Polarity
Red (Axis Y/3)	(+) Signal/Power
Green (Axis X/2)	(+) Signal/Power
White (Axis Y/1)	(+) Signal/Power
Black	(-) Common/Grid



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC232	M/AC232	Environmental		
Sensitivity (±5%)		10 mV/g	Temperature Range	-65 to 250°F	-54 to 121°C
Frequency Response (±3dB)	60-600,000 CPM	1,0-10000 Hz	Electromagnetic Sensitivity		CE
Frequency Response (±10%)	90-420,000 CPM	1,5-7000 Hz	Sealing		Welded, Hermetic
Frequency Response (±5%)	180-360,000 CPM	3,0-6000 Hz	Submersible Depth	200 ft.	60 m
Dynamic Range		± 500 g, peak	Physical		
Electrical			Sensing Element		PZT Ceramic
Settling Time		<2.5 seconds	Sensing Structure		Shear Mode
Voltage Source (IEPE)		18-30 VDC	Weight	7.1 oz	200 grams
Constant Current Excitation		2-10 mA	Case Material		316L Stainless Steel
Spectral Noise @ 10 Hz		100 µg/√Hz	Mounting		1/4-28
Spectral Noise @ 100 Hz		19 µg/√Hz	Connector (Non-Integral)		4 Pin J Connector
Spectral Noise @ 1000 Hz		5 µg/√Hz	Mounting Torque	1 to 2 ft. lbs.	1,4 to 2,7 Nm
Output Impedance		<100 ohm	Mounting Hardware	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



Backed by our Unconditional Lifetime Warranty

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