

AC232 Series



VIBRATION ANALYSIS HARDWARE

Premium Triaxial Accelerometer, Side Exit 4 Pin Mini-MIL Connector, Follows Cartesian Phase Coordinate System, for Modal & ODS Analysis, 10 mV/g, ±5%



Product Features

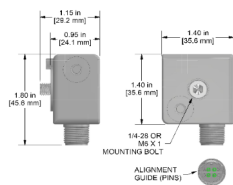
Collect 3 Axes of Data for Modal Analysis and ODS (Operating Deflection Shape)

Phase conforms to Cartesian Coordinate System (Right Hand Rule)

- ▶ High Performance Triaxial Sensor with High End Frequency Response of 10 kHz (+3dB)
- ▶ Popularly used for Modal Analysis and ODS (Operating Deflection Shape)
- ▶ Compatible with CTC J Series Mini-MIL Connectors

AC232-1D 4 Pin Connector

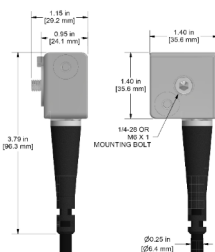
Connector Pin	Polarity
A (Axis Y/3)	(+) Signal/Power
B (Axis X/2)	(+) Signal/Power
C (Axis Z/1)	(+) Signal/Power
D	(-) Common/Grid



Stock Product

AC232-2D CB105 Integral Cable

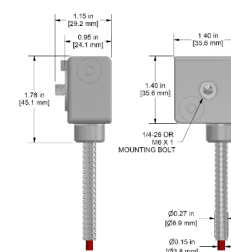
Conductor	Polarity
Red (Axis Y/3)	(+) Signal/Power
Green (Axis X/2)	(+) Signal/Power
White (Axis Z/1)	(+) Signal/Power
Black	(-) Common/Grid



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 Z/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		Operating 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 *V _{source} ≥ 22V, 12V _{bias}		SIL Rating	SIL 2	
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	100 µg/√Hz		Case Material	316L Stainless Steel	
Spectral Noise @ 100 Hz	19 µg/√Hz		Connector (Non-Integral)	4 Pin J Connector	
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