

AC232 Series

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

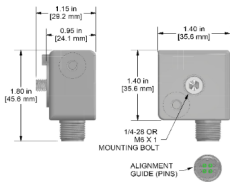
Collect 3 Axes of Data for Modal Analysis and ODS (Operating Deflection Shape)

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

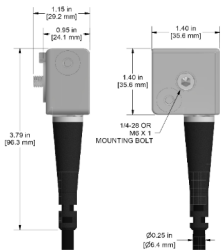
Connector Pin	Polarity
A (Axis Y/3)	(+) Signal/Power
B (Axis X/2)	(+) Signal/Power
C (Axis Z/1)	(+) Signal/Power
D	(-) Common/Grid



Stock Product

AC232-2D
CB105 Integral Cable

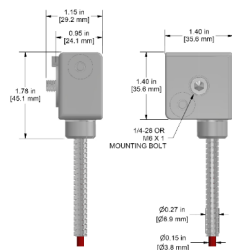
Conductor	Polarity
Red (Axis Y/3)	(+) Signal/Power
Green (Axis X/2)	(+) Signal/Power
White (Axis Z/1)	(+) Signal/Power
Black	(-) Common/Grid



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	<u>Environmental</u>		
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
			SIL Rating	SIL 2	
			<u>Physical</u>		
Dynamic Range	± 500 g, peak *Vsource ≥ 22V, 12Vbias		Sensing Element	PZT Ceramic	
			Sensing Structure	Shear Mode	
			Weight	7.1 oz	200 grams
<u>Electrical</u>					
Settling Time	<2.5 seconds		Case Material	316L Stainless Steel	
Voltage Source (IEPE)	18-30 VDC		Connector (Non-Integral)	4 Pin J Connector	
Constant Current Excitation	2-10 mA				
Spectral Noise @ 10 Hz	100 µg/√Hz				
Spectral Noise @ 100 Hz	19 µg/√Hz			1,380,000	23000