

# AC132 Series



VIBRATION ANALYSIS HARDWARE

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



## Product Features

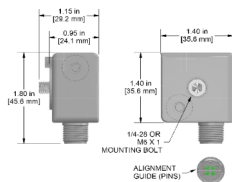
Collect 3 Channels of Data Simultaneously for Faster Data Collection

Follows Cartesian Coordinate Phase Configuration (Right Hand Rule)

- ▶ Popularly used for Modal Analysis and ODS (Operating Deflection Shape)
- ▶ Cost Effective, Rugged Triaxial Sensor Ideally Suited for a Wide Variety of Industrial Applications
- ▶ Compatible with CTC J Series Mini-MIL Connectors

### AC132-1D 4 Pin Connector

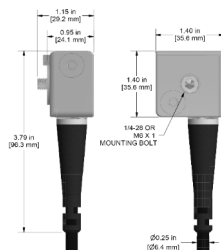
Connector Pin	Polarity
A (Axis Y/3)	(+) Signal/Power
B (Axis X/2)	(+) Signal/Power
C (Axis Z/1)	(+) Signal/Power
D	(-) Common/Grid



Stock Product

### AC132-2D CB105 Integral Cable

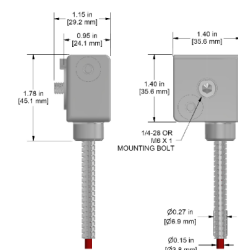
Conductor	Polarity
Red (Axis Y/3)	(+) Signal/Power
Green (Axis X/2)	(+) Signal/Power
White (Axis Z/1)	(+) Signal/Power
Black	(-) Common/Grid



Built To Order

### AC132-3D 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	AC132	M/AC132	<b>Environmental</b>		
Sensitivity (±10%)		10 mV/g	Operating Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±3dB)	60-480,000 CPM	1,0-8000 Hz	Electromagnetic Sensitivity	CE	
Frequency Response (±10%)	90-300,000 CPM	1,5-5000 Hz	Sealing	Welded, Hermetic	
Dynamic Range	± 500 g, peak *Vsource ≥ 22V, 12Vbias		Submersible Depth	200 ft.	60 m
			SIL Rating	SIL 2	
<b>Electrical</b>			<b>Physical</b>		
Settling Time	<2 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	Stainless Steel	
Spectral Noise @ 100 Hz	19 µg/√Hz		Connector (Non-Integral)	4 Pin J Connector	
Spectral Noise @ 1000 Hz	5 µg/√Hz				
Output Impedance	<100 ohm				
Bias Output Voltage	10-14 VDC				