

Low Cost Triaxial Accelerometer, Connector, 10 mV/g

Section I - Vibration Sensors

Actual Product Size Shown



Must Use J4A, J4C or J4N Connectors
Must Use CB105, CB117, CB119 or CB218 Cables

Product Features

Modal/ODS Triaxial Sensor

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

- Premium 10 mV/g, $\pm 10\%$ Sensitivity
- Phase conforms to Cartesian Coordinate System (Right Hand Rule)

AC132-1D

4 Pin Connector

Asima DU Compatible	
Connector Pin	Polarity
A	Axis Y (+) Signal/Power
B	Axis X (+) Signal/Power
C	Axis Z (+) Signal/Power
D	(-) Common/Grid

AC132-2D

Integral Cable

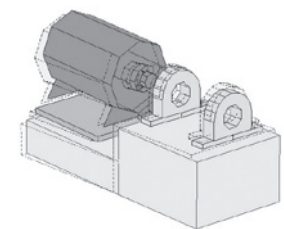
Asima DU Compatible	
Conductor	Polarity
Red	Axis Y (+) Signal/Power
Green	Axis X (+) Signal/Power
White	Axis Z (+) Signal/Power
Black	(-) Common/Grid

AC132-3D

Armored Integral Cable

Asima DU Compatible	
Conductor	Polarity
Red	Axis Y (+) Signal/Power
Green	Axis X (+) Signal/Power
White	Axis Z (+) Signal/Power
Black	(-) Common/Grid

Operating Deflection Shape created from vibration and phase measurements.



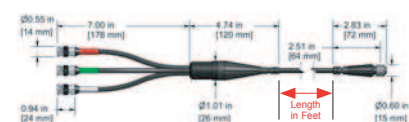
Specifications	Standard	Metric
Part Number	AC132	M/AC132
Sensitivity ($\pm 10\%$)	10 mV/g	
Frequency Response ($\pm 3\text{dB}$)	60-480,000 CPM	1,0-8000 Hz
Frequency Response ($\pm 10\%$)	90-300,000 CPM	1,5-5000 Hz
Dynamic Range	± 500 g, peak	
Electrical		
Settling Time	<2 seconds	
Voltage Source (IEPE)	18-30 VDC	
Constant Current Excitation	2-10 mA	
Spectral Noise @ 10 Hz	100 $\mu\text{g}/\sqrt{\text{Hz}}$	
Spectral Noise @ 100 Hz	19 $\mu\text{g}/\sqrt{\text{Hz}}$	
Spectral Noise @ 1000 Hz	5 $\mu\text{g}/\sqrt{\text{Hz}}$	
Output Impedance	<100 ohm	
Bias Output Voltage	10-14 VDC	
Case Isolation	>10 ⁸ ohm	

Specifications	Standard	Metric
Environmental		
Temperature Range	-65 to 250°F	-54 to 121°C
Electromagnetic Sensitivity	CE	
Sealing	IP68	
Submersible Depth (AC132-2D/3D)	200 ft.	60 m
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	7.1 oz	200 grams
Case Material	316L Stainless Steel	
Mounting	1/4-28	
Connector (non-integral)	4 Pin	
Mounting Torque	1 to 2 ft. lbs.	1,4 to 2,7 Nm
Mounting Hardware	1/4-28 Captive Bolt	M6x1 Captive Bolt
Calibration Certificate	CA10	

Ordering Information

Standard	AC132-1D (1/4-28 Captive Bolt)	AC132-2D - / (1/4-28 Captive Bolt)	AC132-3D - / (1/4-28 Captive Bolt)
	Stock Product	Build To Order	Build To Order
Metric	M/AC132-1D (M6x1 Captive Bolt)	M/AC132-2D - / (M6x1 Captive Bolt)	M/AC132-3D - / (M6x1 Captive Bolt)
	Stock Product	Build To Order	Build To Order

CTC multi-conductor cable
 Red = Y axis
 Green = X axis
 White = Z axis
 Black = Common



Backed by our Unconditional Lifetime Warranty

