

AC360 Series

Modal/ODS Triaxial Accelerometer, 100 mV/g, ± 5% Sensitivity



VIBRATION ANALYSIS HARDWARE



Product Features

Modal/ODS Triaxial Sensor

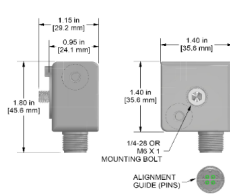
Collect 3 Axes of Data for Modal Analysis and ODS (Operating Deflection Shape)

- ▶ Premium 100 mV/g, ±5% Sensitivity
- ▶ Phase conforms to Cartesian Coordinate System (Right Hand Rule)
- ▶ Must Use J4A, J4C or J4N Connectors and CB105, CB117, CB119 or CB218 Cables

AC360-1D

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

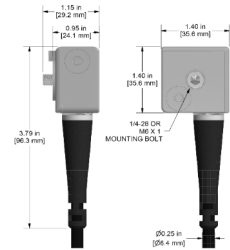


Stock Product

AC360-2D

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

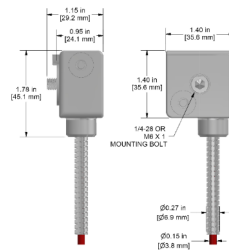


Built To Order

AC360-3D

CB218 Armored Integral Cable

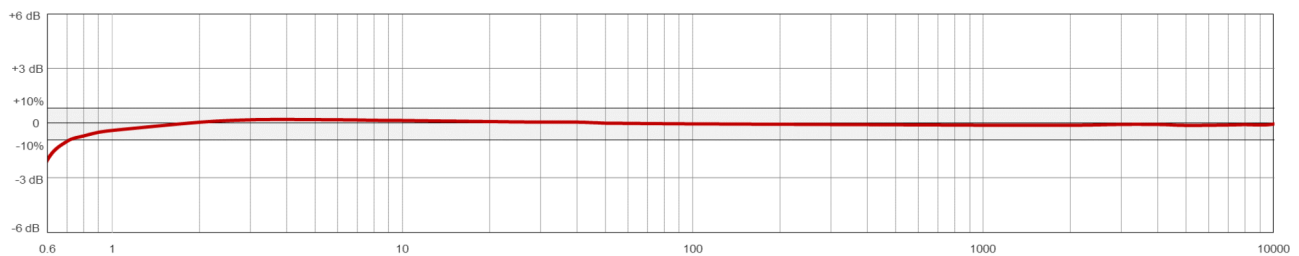
Conductor	Polarity
Red (Axis Y/3)	(+) Signal/Power
Green (Axis X/2)	(+) Signal/Power
White (Axis Z/1)	(+) Signal/Power
Black	(-) Common/Grid



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC360	M/AC360	Environmental		
Sensitivity (±5%)		100 mV/g	Temperature Range	-65 to 250°F	-54 to 121°C
Frequency Response (±3dB)	36-600,000 CPM	0.6-10000 Hz	Electromagnetic Sensitivity		CE
Frequency Response (±10%)	60-390,000 CPM	1.0-6500 Hz	Sealing		Welded, Hermetic
Frequency Response (±5%)	480-330,000 CPM	8.0-5500 Hz	Submersible Depth	200 ft.	60 m
Dynamic Range		± 50 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	27 µg/√Hz		Mounting		1/4-28
Spectral Noise @ 100 Hz	6.5 µg/√Hz		Connector (Non-Integral)		4 Pin J Connector
Spectral Noise @ 1000 Hz	2.5 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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