

AC365 Series

Modal/ODS Triaxial Accelerometer, 100 mV/g, $\pm 5\%$ Sensitivity



VIBRATION ANALYSIS HARDWARE



Product Features

Modal/ODS Triaxial Sensor

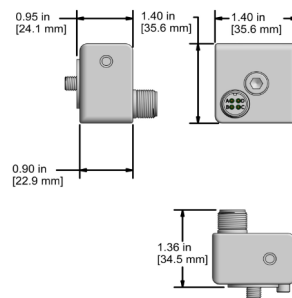
Collect 3 Axes of Data for Modal Analysis and ODS (Operating Deflection Shape)

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

AC365-1D

4 Pin Connector

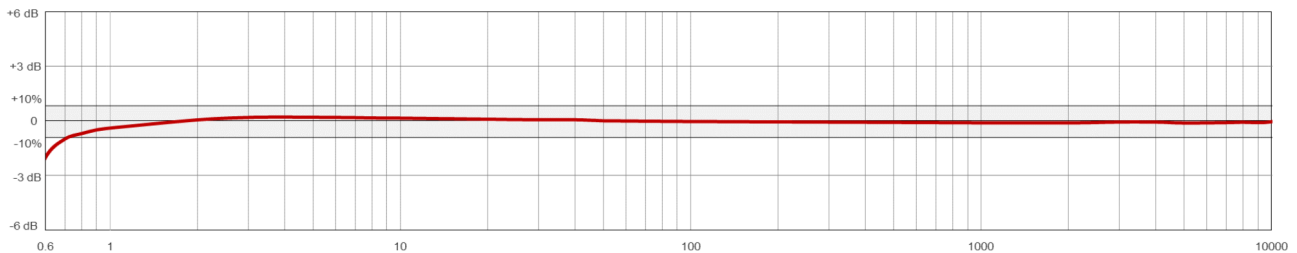
Connector Pin	Polarity
A (Axis Y/3)	(+) Signal/Power
B (Axis X/2)	(+) Signal/Power
C (Axis Z/1)	(+) Signal/Power
D	(-) Common/Grid



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC365	M/AC365	Environmental		
Sensitivity ($\pm 5\%$)		100 mV/g	Temperature Range	-65 to 250°F	-54 to 121°C
Frequency Response ($\pm 3\text{dB}$)	36-600,000 CPM	0.6-10000 Hz	Electromagnetic Sensitivity		CE
Frequency Response ($\pm 10\%$)	60-390,000 CPM	1.0-6500 Hz	Sealing		IP68
Frequency Response ($\pm 5\%$)	480-330,000 CPM	8.0-5500 Hz	Physical		
Dynamic Range		± 50 g, peak	Sensing Element		PZT Ceramic
Electrical			Sensing Structure		Shear Mode
Settling Time		<2.5 seconds	Weight	7.1 oz	200 grams
Voltage Source (IEPE)		18-30 VDC	Case Material		316L Stainless Steel
Constant Current Excitation		2-10 mA	Mounting		1/4-28
Spectral Noise @ 10 Hz		27 $\mu\text{g}/\sqrt{\text{Hz}}$	Connector (Non-Integral)		4 Pin J Connector
Spectral Noise @ 100 Hz		6.5 $\mu\text{g}/\sqrt{\text{Hz}}$	Mounting Torque	1 to 2 ft. lbs	1.4 to 2.7 Nm
Spectral Noise @ 1000 Hz		2.5 $\mu\text{g}/\sqrt{\text{Hz}}$	Mounting Hardware	1/4-28 Captive Bolt	M6x1 Captive Bolt
Output Impedance		<100 ohm	Calibration Certificate		CA10
Bias Output Voltage		10-14 VDC			
Case Isolation		>10 ⁸ ohm			

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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