

AC365 Series

Premium Triaxial Accelerometer, Top Exit 4 Pin Mini-MIL Connector, Follows Cartesian Phase Coordinate System, for Modal & ODS Analysis, 100 mV/g, ±5%

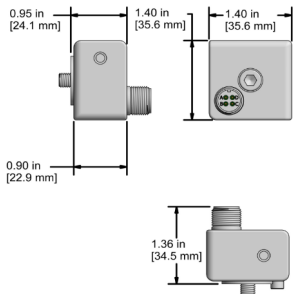


Product Features

- Collect 3 Channels of Data Simultaneously for Faster Data Collection
- Follows Cartesian Coordinate Phase Configuration (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

AC365-1D 4 Pin Connector

Connector	Polarity
Pin	
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 (±5%)	100 mV/g		Operating 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	IP68	
Frequency Response (±5%)	480-330,000 CPM	8,0-5500 Hz	SIL Rating	SIL 2	
Dynamic Range			Physical		
			Sensing Element	PZT Ceramic	
± 50 g, peak *Vsource ≥ 22V, 12Vbias			Sensing Structure	Shear Mode	
			Weight	7.1 oz	200 grams
Electrical			Case Material	316L Stainless Steel	
			Mounting Thread	1/4-28 Blind Tapped Hole	
Settling Time	<2.5 seconds		4 Pin Mini MIL		
Voltage Source (IEPE)	18-30 VDC				
Constant Current Excitation	2-10 mA		Connector (Non-Integral)		
Spectral Noise @ 10 Hz	27 µg/√Hz				
Spectral Noise @ 100 Hz	6.5 µg/√Hz		MIL		
Spectral Noise @ 1000 Hz	2.5 µg/√Hz				