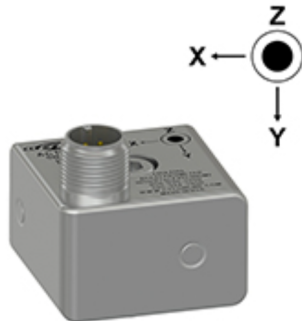


AC155 Series



VIBRATION ANALYSIS HARDWARE

Low Cost Triaxial Accelerometer, Top Exit 4 Pin Mini-MIL Connector, Follows Cartesian Phase Coordinate System, for Modal & ODS Analysis, 100 mV/g, ±15%



Product Features

Phase conforms to Cartesian Coordinate System (Right Hand Rule)

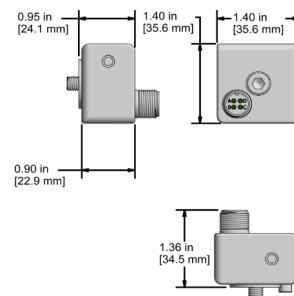
Collect 3 Axes of Data for Modal Analysis and ODS (Operating Deflection Shape)

- ▶ 100 mV/g, ±15% Sensitivity
- ▶ Standard 2 Pin MIL Connection or Integral Cable
Note: Integral Cable Options are only for Permanent Monitoring Applications
- ▶ Must Use J4A, J4C or J4N Connectors and CB105, CB117, CB119 or CB218 Cables

AC155-1D

4 Pin Connector

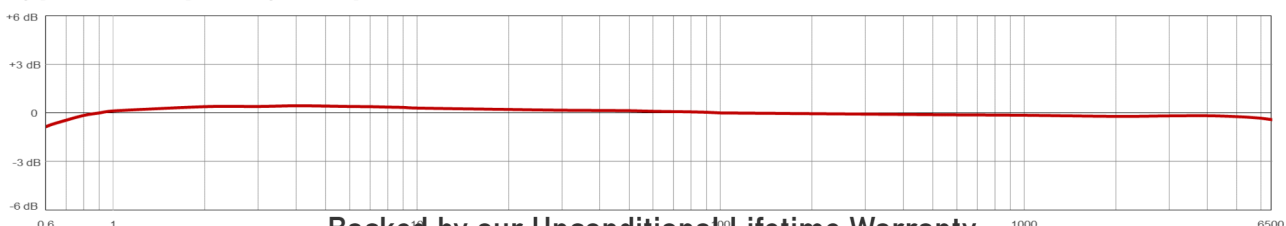
Connector Pin	Polarity
A (Axis Y/3)	(+) Signal/Power
B (Axis X/2)	(+) Signal/Power
C (Axis Z/1)	(+) Signal/Power
D	(-) Common/Grid



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC155	M/AC155	Environmental		
Sensitivity (±15%)		100 mV/g	Temperature Range	-65 to 250°F	-54 to 121°C
Frequency Response (±3dB)	36-390,000 CPM	0.6-6500 Hz	Electromagnetic Sensitivity		CE
Dynamic Range		± 50 g, peak	Sealing		Welded, Hermetic
Electrical			SIL Rating		SIL 2
Settling Time		<2.5 seconds	Physical		
Voltage Source (IEPE)		18-30 VDC	Sensing Element		PZT Ceramic
Constant Current Excitation		2-10 mA	Sensing Structure		Shear Mode
Spectral Noise @ 10 Hz		27 µg/√Hz	Weight	7.1 oz	200 grams
Spectral Noise @ 100 Hz		6.5 µg/√Hz	Case Material		316L Stainless Steel
Spectral Noise @ 1000 Hz		2.5 µg/√Hz	Mounting		1/4-28
Output Impedance		<100 ohm	Connector (Non-Integral)		4 Pin J Connector
Bias Output Voltage		10-14 VDC	Mounting Torque	1 to 2 ft. lbs.	1.4 to 2.7 Nm
Case Isolation		> 10 ⁹ ohm	Mounting Hardware	1/4-28 Captive Bolt	M6x1 Captive Bolt
			Calibration Certificate		CA10

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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