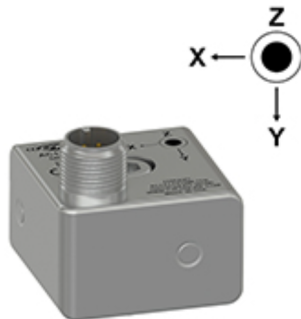


# AC155 Series



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

Collect 3 Channels of Data Simultaneously for Faster Data Collection

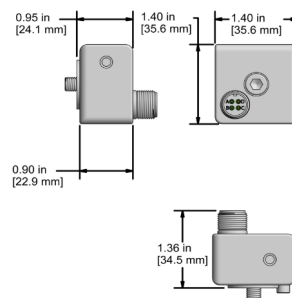
Follows Cartesian Coordinate Phase Configuration (Right Hand Rule)

- ▶ Popularly used for Modal Analysis and ODS (Operating Deflection Shape)
- ▶ Compatible with CTC J Series Mini-MIL Connectors

### 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	<u>Environmental</u>		
Sensitivity (±15%)	100 mV/g		Operating 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	*Vsource ≥ 22V, 12Vbias	Sealing	Welded, Hermetic	
			SIL Rating	SIL 2	
<u>Electrical</u>			<u>Physical</u>		
Settling Time	<2.5 seconds		Sensing Element	PZT Ceramic	
Voltage Source (IEPE)	18-30 VDC		Sensing Structure	Shear Mode	
Constant Current Excitation	2-10 mA		Weight	7.1 oz	200 grams
Spectral Noise @ 10 Hz	27 µg/√Hz		Case Material	316L	
Spectral Noise @ 100 Hz	6.5 µg/√Hz			Stainless Steel	
Spectral Noise @ 1000 Hz	2.5 µg/√Hz		Mounting Thread	1/4-28	
Output Impedance	<100 ohm			Blind Tapped Hole	
Bias Output Voltage	10-14 VDC		4 Pin Mini MIL		
Case Isolation	> 10 <sup>8</sup> ohm		Connector (Non-Integral)		