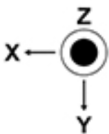


TREA331 Series

Low Cost Miniature Industrial Triaxial Accelerometer, Side Exit 4 Pin Mini-MIL Connector, Follows Cartesian Phase Coordinate System, 100 mV/g, ±15%

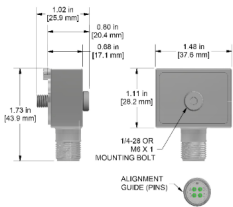


Product Features

- Collect 3 Channels of Data Simultaneously for Faster Data Collection
- Follows Cartesian Coordinate Phase Configuration (Right Hand Rule)
- ▶ Cost Effective, High Performance Triaxial Sensor
 - ▶ Low Profile, Side Exit Case is Ideally Suited for Route Based Measurements
 - ▶ Compatible with CTC J Series Mini-MIL Connectors

TREA331
4 Pin Mini-MIL Connector

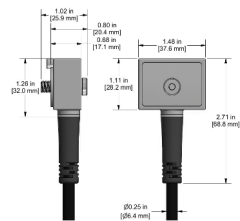
Connector Pin	Polarity
A (Axis Y)	(+) Signal/Power
B (Axis X)	(+) Signal/Power
C (Axis Z)	(+) Signal/Power
D	(-) Common/Grid



Stock Product

TREA431
CB105 Integral Cable

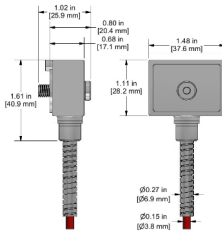
Conductor	Polarity
Red (Axis Y)	(+) Signal/Power
Green (Axis X)	(+) Signal/Power
White (Axis Z)	(+) Signal/Power
Black	(-) Common/Grid



Built To Order

TREA531
CB218 Armored Integral Cable

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



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TREA331	M/TREA331	Environmental		
Sensitivity (±15%)	100 mV/g		Operating Temperature Range	-65 to 250°F	-54 to 121°C
Frequency Response (±3dB)	30-600,000 CPM	0.5 Hz - 10kHz	Maximum Shock Protection	10,000g peak	
Dynamic Range	± 80g, peak *Vsource ≥ 22V, 12Vbias		Electromagnetic Sensitivity	CE	
Electrical			Sealing	Welded, Hermetic	
Settling Time	<2.5 seconds		Submersible Depth	200 ft.	60 m
Voltage Source (IEPE)	18-30 VDC		SIL Rating	SIL 2	
Constant Current Excitation	2-10 mA		Physical		
Spectral Noise @ 10 Hz	30 µg/√Hz		Sensing Element	PZT Ceramic	
Spectral Noise @ 100 Hz	4 µg/√Hz		Sensing Structure	Shear Mode	
Spectral Noise @ 1000 Hz	2 µg/√Hz		Weight	3.9 oz	110 grams
Output Impedance	<100 ohm		Case Material	316L Stainless Steel	
Bias Output Voltage	10-14 VDC			4 Pin	