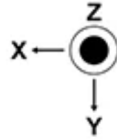


TRCA331 Series



VIBRATION ANALYSIS HARDWARE

Low Cost Miniature Industrial Triaxial Accelerometer, Side Exit 4 Pin Mini-MIL Connector, Follows Cartesian Phase Coordinate System, 10 mV/g, ±15%



Product Features

Collect Three Channels of Data Simultaneously for Faster Data Collection

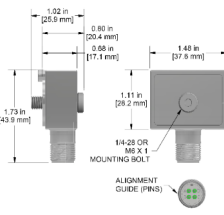
Follows Cartesian Coordinate Phase Configuration (Right-Hand Rule)

- ▶ High-Performance Triaxial Sensor with High End Frequency Response of 15 kHz (+3 dB)
- ▶ Low-Profile, Side-Exit Case is Ideally Suited for Route-Based Measurements
- ▶ Compatible with CTC J Series Mini-MIL Connectors

TRCA331

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

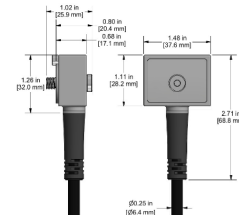


Stock Product

TRCA431

CB105 Cable

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

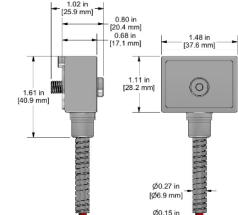


Built To Order

TRCA531

CB218 Armored Integral Cable

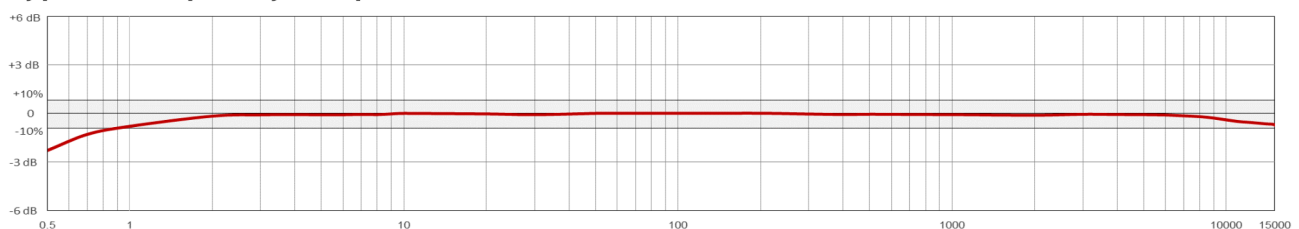
Conductor	Polarity
Red (Axis Y)	(+) Signal/Power
Green (Axis X)	(+) Signal/Power
White (Axis Z)	(+) Signal/Power
Black	(-) Common/Grid



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TRCA331	M/TRCA331	Environmental		
Sensitivity (±15%)		10 mV/g	Operating Temperature Range	-65 to 250 °F	-54 to 121 °C
Frequency Response (±3dB)	30-900,000 CPM	0.5 Hz-15 kHz	Maximum Shock Protection		10,000 g, peak
Dynamic Range		±500 g, 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		100 µg/√Hz	Sensing Element		PZT Ceramic
Spectral Noise @ 100 Hz		19 µg/√Hz	Sensing Structure		Shear Mode
Spectral Noise @ 1000 Hz		5 µg/√Hz	Weight	3.9 oz	110 grams
Output Impedance		<100 ohm	Case Material		316L Stainless Steel
Bias Output Voltage		10-14 VDC	Connector (Non-Integral)		4 Pin Mini-MIL
Case Isolation		>10 ⁸ ohm	Resonant Frequency	2,640,000 CPM	44 kHz
			Mounting Torque	1 to 2 ft. lbs.	1.4 to 2.7 Nm
			Mounting Hardware Supplied	1/4-28 Captive Bolt	M6x1 Captive Bolt
			Calibration Certificate		CA10

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty & Free Annual Recalibration Service

www.ctconline.com | sales@ctconline.com | 585-924-5900

www.delta3n.hu