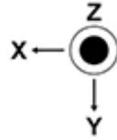


TRCA330 Series



VIBRATION ANALYSIS HARDWARE

Miniature Industrial Triaxial Accelerometer, Side Exit 4 Pin Mini-MIL Connector, Follows Cartesian Phase Coordinate System, 10 mV/g, ±5%



Product Features

Collect 3 Channels of Data Simultaneously for Faster Data Collection

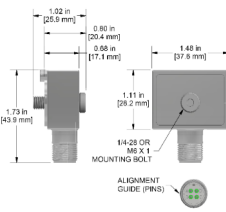
Follows Cartesian Coordinate Phase Configuration (Right Hand Rule)

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

TRCA330

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

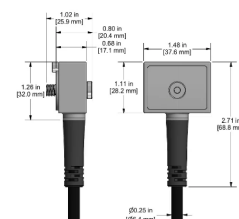


Stock Product

TRCA430

CB105 Cable

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

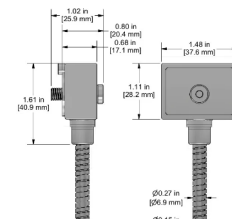


Built To Order

TRCA530

CB218 Armored Integral Cable

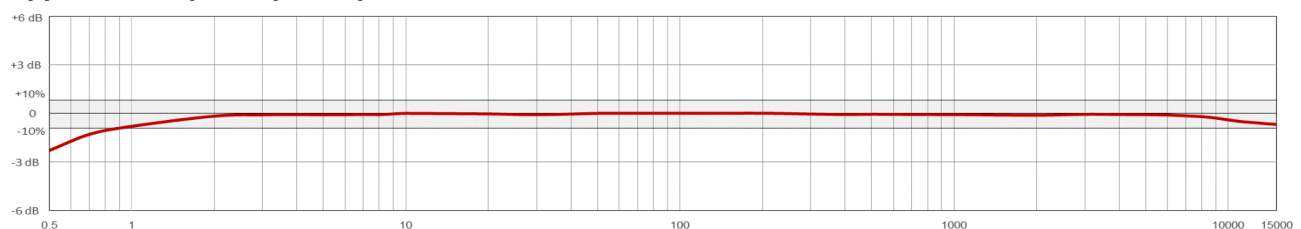
Conductor	Polarity
Red (Axis Y)	(+) Signal/Power
Green (Axis X)	(+) Signal/Power
White (Axis Z)	(+) Signal/Power
Black	(-) Common/Grid



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TRCA330	M/TRCA330	Environmental		
Sensitivity (±5%)		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
Frequency Response (±10%)	60-480,000 CPM	1 Hz-8 kHz	Electromagnetic Sensitivity		CE
Frequency Response (±5%)	480-330,000 CPM	8 Hz-5.5 kHz	Sealing		Welded, Hermetic
Dynamic Range		±500 g, peak *Vsource ≥ 22V, 12Vbias	Submersible Depth	200 ft.	60 m
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		100 µg/√Hz	Weight	3.9 oz	110 grams
Spectral Noise @ 100 Hz		19 µg/√Hz	Case Material		316L Stainless Steel
Spectral Noise @ 1000 Hz		5 µg/√Hz	Connector (Non-Integral)		4 Pin Mini-MIL
Output Impedance		<100 ohm	Resonant Frequency	2,640,000 CPM	44 kHz
Bias Output Voltage		10-14 VDC	Mounting Torque	1 to 2 ft. lbs.	1.4 to 2.7 Nm
Case Isolation		>10 ⁸ ohm	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

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