

TRCA330 Series

Compact Triaxial Accelerometer, 10 mV/g



VIBRATION ANALYSIS HARDWARE



Product Features

Uses J4A, J4C, or J4N Connectors and CB105, CB117, CB119, or CB218 Cables

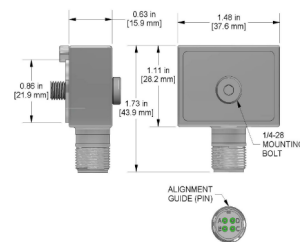
Cartesian Coordinate Phase Configuration

- ▶ 10 mV/g, $\pm 10\%$ sensitivity tolerance
- ▶ Low Profile Side Exit Case
- ▶ High Frequency Response

TRCA330

4 Pin Connector

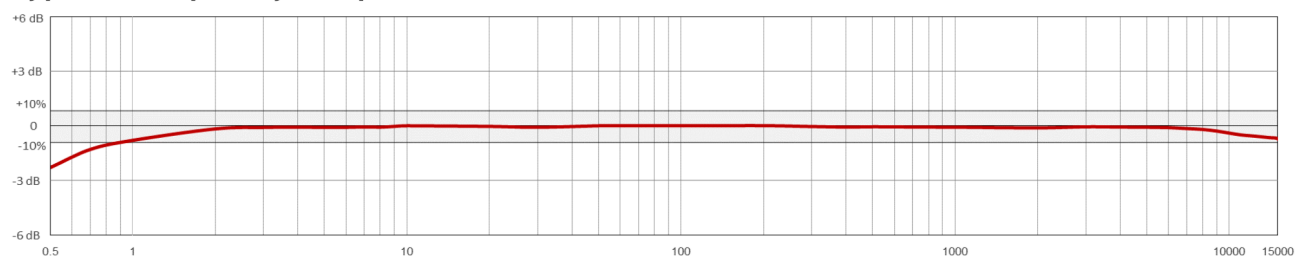
Connector Pin	Polarity
A (Axis Y)	(+) Signal/Power
B (Axis X)	(+) Signal/Power
C (Axis Z)	(+) Signal/Power
D	(-) Common/Grid



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TRCA330	M/TRCA330	Environmental		
Sensitivity ($\pm 10\%$)		10 mV/g	Temperature Range	-65 to 250°F	-54 to 121°C
Frequency Response (± 3 dB)	30-900,000 CPM	0.5 Hz-15 kHz	Maximum Shock Protection		10,000 g, peak
Frequency Response ($\pm 10\%$)	60-480,000 CPM	1 Hz-8 kHz	Electromagnetic Sensitivity		CE
Frequency Response ($\pm 5\%$)	480-330,000 CPM	8 Hz-5.5 kHz	Sealing		Welded, Hermetic
Dynamic Range		± 500 g, peak	Physical		
Electrical			Sensing Element		PZT Ceramic
Settling Time	<2.5 Seconds		Sensing Structure		Shear Mode
Voltage Source (IEPE)	18-30 VDC		Weight	3.9 oz	110 grams
Constant Current Excitation	2-10 mA		Case Material		316L Stainless Steel
Spectral Noise @ 10 Hz	100 μ g/ $\sqrt{\text{Hz}}$		Mounting		1/4-28
Spectral Noise @ 100 Hz	19 μ g/ $\sqrt{\text{Hz}}$		Connector (Non-Integral)		4 Pin
Spectral Noise @ 1000 Hz	5 μ g/ $\sqrt{\text{Hz}}$		Resonant Frequency	2,640,000 CPM	44 kHz
Output Impedance	<100 ohm		Mounting Torque	1 to 2 ft. lbs.	1.4 to 2.7 Nm
Bias Output Voltage	10-14 VDC		Mounting Hardware	1/4-28 Captive Bolt	M6x1 Captive Bolt
Case Isolation	>10 ⁸ ohm		Calibration Certificate		CA10

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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