

TXGA331 Series

Low Frequency Triaxial Accelerometer, Side Exit 4 Pin Connector, 1,000 mV/g, ±5%



VIBRATION ANALYSIS HARDWARE



Product Features

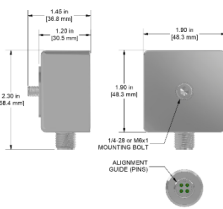
Collect 3 Channels of Data Simultaneously for Faster Data Collection

Follows Cartesian Coordinate Phase Configuration (Right Hand Rule)

- ▶ Designed for Low Speed Applications such as Low Speed Rotors, Main Bearings, and Gear Box Inputs.
- ▶ Mini-MIL Connector Exit Option Compatible CTC J Series Mini-MIL Connectors
- ▶ M12 Connector Exit Option Compatible with CTC M4 Series Connectors

TXGA231 4 Pin M12 Connector

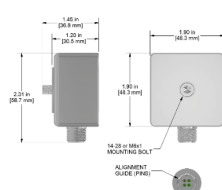
Connector Pin	Polarity
1 (Axis Y)	(+) Signal/Power
2 (Axis X)	(+) Signal/Power
3 (Axis Z)	(+) Signal/Power
4	(-) Common



Stock Product

TXGA331 4 Pin Mini-MIL Connector

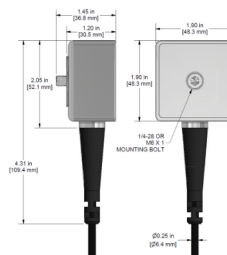
Connector Pin	Polarity
A (Axis Y)	(+) Signal/Power
B (Axis X)	(+) Signal/Power
C (Axis Z)	(+) Signal/Power
D	(-) Common/Grd



Stock Product

TXGA431 CB105 Integral Cable

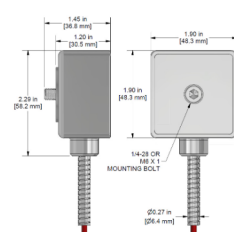
Conductor	Polarity
Red (Axis Y)	(+) Signal/Power
Green (Axis X)	(+) Signal/Power
White (Axis Z)	(+) Signal/Power
Black	(-) Common/Grd



Built To Order

TXGA531 CB218 Armored Integral Cable

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



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TXGA331	M/TXGA331	Environmental		
Sensitivity (±5%)		1,000 mV/g	Operating Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±3dB)	6-420,000 CPM	0,1-7,000 Hz	Maximum Shock Protection		5000 g, peak
Frequency Response (±10%)	18-180,000 CPM	0,3-3000 Hz	Electromagnetic Sensitivity		CE
Dynamic Range		± 7 g, peak *Vsource ≥ 22V, 12Vbias	Sealing		Welded, Hermetic
Electrical			Submersible Depth	200 ft.	60 m
Settling Time		< 2 seconds	SIL Rating		SIL 2
Voltage Source (IEPE)		18-30 VDC	Physical		
Constant Current Excitation		2-10 mA	Sensing Element		PZT Ceramic
Spectral Noise @ 10 Hz		1.3 µg/√Hz	Sensing Structure		Shear Mode
Spectral Noise @ 100 Hz		0.2 µg/√Hz	Weight	13.4 oz	380 grams
			Case Material		316L Stainless Steel
					4 Pin