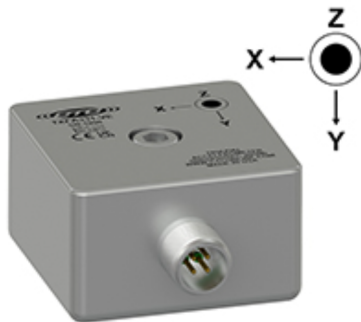


TXFA331-VE Series



Premium Low Frequency, Piezo Velocity Triaxial Sensor, Side Exit 4 Pin Connector, 500 mV/in/sec $\pm 5\%$

VIBRATION ANALYSIS HARDWARE



Product Features

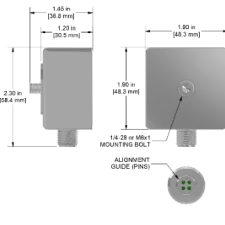
Collect 3 Channels of Data Simultaneously for Faster Data Collection

Follows Cartesian Coordinate Phase Configuration (Right Hand Rule)

- ▶ Integrates to Velocity in the Sensor
- ▶ Mini-MIL Connector Exit Option Compatible
CTC J Series Mini-MIL Connectors
- ▶ M12 Connector Exit Option Compatible with
CTC M4 Series Connectors

TXFA231-VE 4 Pin M12 Connector

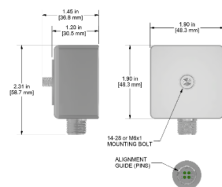
Connector Pin	Polarity
1 (Axis Y)	(+) Signal/Power
2 (Axis X)	(+) Signal/Power
3 (Axis Z)	(+) Signal/Power
4	(-) Common



Stock Product

TXFA331-VE 4 Pin Mini-MIL Connector

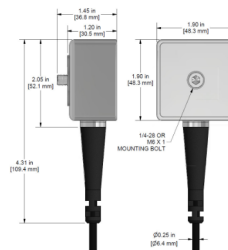
Connector Pin	Polarity
A (Axis Y)	(+) Signal/Power
B (Axis X)	(+) Signal/Power
C (Axis Z)	(+) Signal/Power
D	(-) Common/Grd



Stock Product

TXFA431-VE CB105 Integral Cable

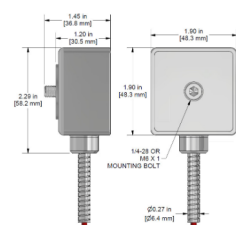
Conductor	Polarity
Red (Axis Y)	(+) Signal/Power
Green (Axis X)	(+) Signal/Power
C (Axis Z)	(+) Signal/Power
D	(-) Common/Grd



Built To Order

TXFA531-VE CB218 Armored Integral Cable

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



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TXFA331-VE	M/TXFA331-VE	Environmental		
Sensitivity ($\pm 5\%$)	500	mV/in/sec	Operating Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response ($\pm 3\text{dB}$)	60 to 270,000 CPM	1 Hz to 4.5 kHz	Maximum Shock Protection	5,000 g, peak	
Frequency Response ($\pm 10\%$)	120 to 240,000 CPM	2 Hz to 4 kHz	Electromagnetic Sensitivity	CE	
Dynamic Range	+10 in/sec pk *Vsource $\geq 22\text{V}$, 12Vbias		Sealing	Welded, Hermetic	
Electrical			SIL Rating	SIL 2	
Settling Time	<4 Seconds		Sensing Element	PZT Ceramic	
Voltage Source (IEPE)	18-30 VDC		Sensing Structure	Shear Mode	
Constant Current Excitation	2-10 mA		Weight	13.4 oz	380 grams
Spectral Noise @ 10 Hz	200 μ IPS/ $\sqrt{\text{Hz}}$		Case Material	316L Stainless Steel	
			Connector (Non-Integral)	4 Pin Mini-MIL or 4 Pin M12	