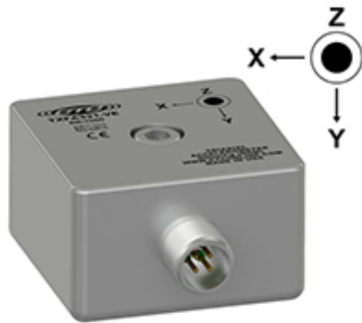


TXFA331-VE Series



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

VIBRATION ANALYSIS HARDWARE



Product Features

500 mV/in/sec (20 mV/mm/sec) Sensitivity

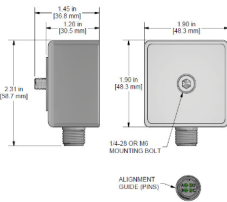
Phase conforms to cartesian coordinate system (right hand rule)

- ▶ Must use J4A, J4C, J4N, J4R or VJ4R connectors & CB105, CB117, CB119 or CB218 cables
- ▶ Integrates to Velocity in the Sensor

TXFA331-VE

4 Pin Connector

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

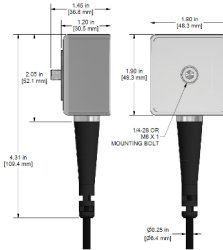


Stock Product

TXFA431-VE

CB105 Integral Cable

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

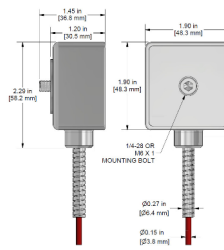


Built To Order

TXFA531-VE

CB218 Armored Integral Cable

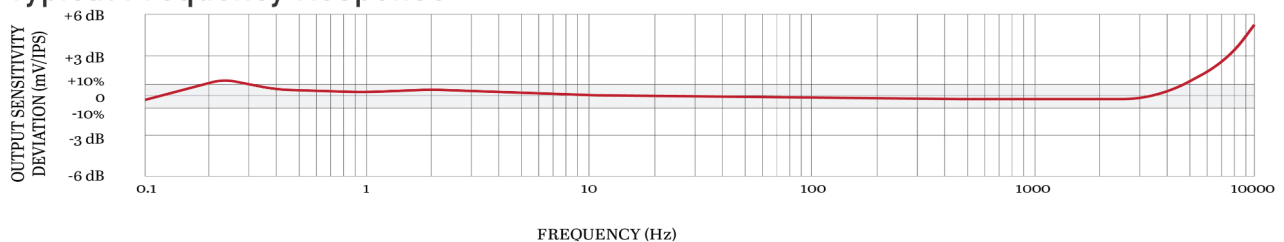
Conductor	Polarity
Red (Axis Y)	(+) Signal/Power
Green (Axis X)	(+) Signal/Power
C (Axis Z)	(+) Signal/Power
D	(-) Common/Grid



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TXFA331-VE	M/TXFA331-VE	Environmental		
Sensitivity ($\pm 5\%$)		500 mV/in/sec	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response ($\pm 3\text{dB}$)	60 to 270,000 CPM	1Hz to 4.5kHz	Maximum Shock Protection		5,000 g, peak
Frequency Response ($\pm 10\%$)	120 to 240,000 CPM	2Hz to 4kHz	Electromagnetic Sensitivity		CE
Dynamic Range		± 10 in/sec pk	Sealing		Welded, Hermetic
Electrical			SIL Rating		SIL 2
Settling Time		<4 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		200 μ IPS/ $\sqrt{\text{Hz}}$	Weight	13.4 oz	380 grams
Spectral Noise @ 100 Hz		6 μ IPS/ $\sqrt{\text{Hz}}$	Case Material		316L Stainless Steel
Spectral Noise @ 1000 Hz		0.7 μ IPS/ $\sqrt{\text{Hz}}$	Mounting		1/4-28
Output Impedance		<100 ohm	Connector (Non-Integral)		4 Pin Mini-MIL
Bias Output Voltage		10-14 VDC	Resonant Frequency	720,000 CPM	12 kHz
Case Isolation		$>10^8$ ohm	Mounting Torque	2 to 5 ft. lbs	2.7 to 6.8 Nm
			Mounting Hardware	1/4-28 Captive Bolt	M6x1 Captive Bolt
			Calibration Certificate		CA10

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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