

# TXFA331 Series

Low Frequency Triaxial Accelerometer, Side Exit 4 Pin Mini-MIL Connector, 500 mV/g, ±5%



VIBRATION ANALYSIS HARDWARE



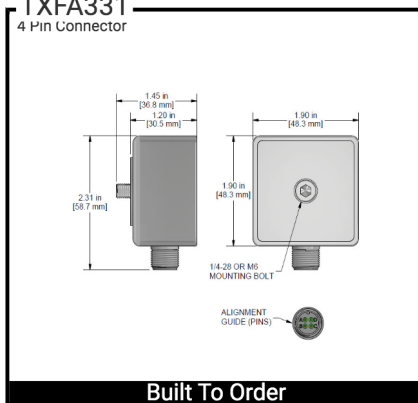
## Product Features

Designed for low speed Rotors, Main Bearings, and Gear Box Inputs.

Phase conforms to cartesian coordinate system (right hand rule)

- ▶ 500 mV/g Sensitivity, ±5%
- ▶ Must use J4A, J4C, J4N, J4V or V4J connectors & CB105, CB117, CB119 or CB218 cables

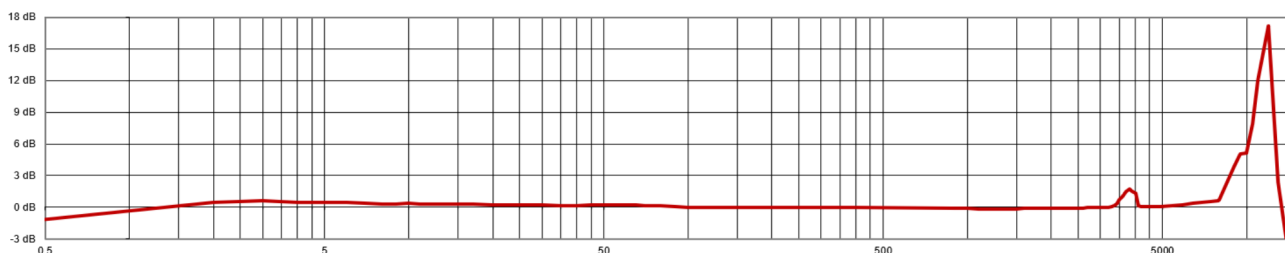
TXFA331  
4 Pin Connector



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TXFA331	TXFA341	<b>Environmental</b>		
Sensitivity (±5%)		500 mV/g	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±3dB)	6 CPM – 180,000 CPM	.1 Hz - 3 kHz	Electromagnetic Sensitivity		CE
Frequency Response (±10%)	36 CPM – 120,000 CPM	.6 - 2 kHz	Sealing		Welded, Hermetic
Dynamic Range		± 10 g, peak	Submersible Depth	200 ft.	60 m
<b>Electrical</b>			SIL Rating		SIL 2
Settling Time		<2 Seconds	<b>Physical</b>		
Voltage Source (IEPE)		18-30 VDC	Sensing Element		PZT Ceramic
Constant Current Excitation		2-10 mA	Sensing Structure		Shear Mode
Spectral Noise @ 10 Hz		1.7 µg/√Hz	Weight	13.4 oz	380 grams
Spectral Noise @ 100 Hz		0.2 µg/√Hz	Case Material		316L Stainless Steel
Spectral Noise @ 1000 Hz		0.12 µg/√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 <sup>8</sup> ohm	Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
			Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
			Calibration Certificate		CA10

## Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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