

TXFA333 Series

Low Cost, Low Frequency Triaxial Accelerometer, Side Exit 4 Pin Mini-MIL Connector, 500 mV/g, $\pm 15\%$



VIBRATION ANALYSIS HARDWARE



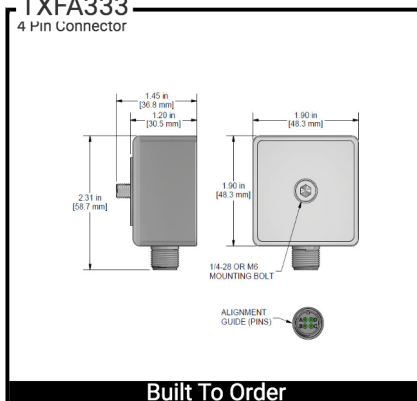
Product Features

Designed for low speed Rotors, Main Bearings, and Gear Box Inputs, but can also be used for High Frequency Detection.

Phase conforms to cartesian coordinate system (right hand rule)

- ▶ 500 mV/g Sensitivity, $\pm 15\%$ Sensitivity
- ▶ Must use J4A, J4C, J4N or J4V connectors & CB105, CB117, CB119 or CB218 cables

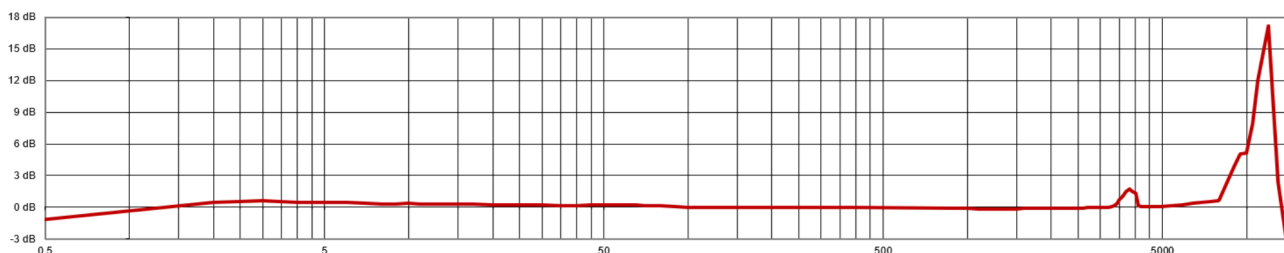
TXFA333
4 Pin Connector



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TXFA333	TXFA343	Environmental		
Sensitivity ($\pm 15\%$)		500 mV/g	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response ($\pm 3\text{dB}$)	6 CPM – 180,000 CPM	.1 Hz - 3 kHz	Electromagnetic Sensitivity		CE
Frequency Response ($\pm 10\%$)	36 CPM – 120,000 CPM	.6 - 2 kHz	Sealing		Welded, Hermetic
Dynamic Range		± 10 g, peak	Submersible Depth	200 ft.	60 m
Electrical			SIL Rating		SIL 2
Settling Time		<2 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		1.7 $\mu\text{g}/\sqrt{\text{Hz}}$	Weight	13.4 oz	380 grams
Spectral Noise @ 100 Hz		0.2 $\mu\text{g}/\sqrt{\text{Hz}}$	Case Material		316L Stainless Steel
Spectral Noise @ 1000 Hz		0.12 $\mu\text{g}/\sqrt{\text{Hz}}$	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 Stud	M6x1 Adapter Stud
			Calibration Certificate		CA10

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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