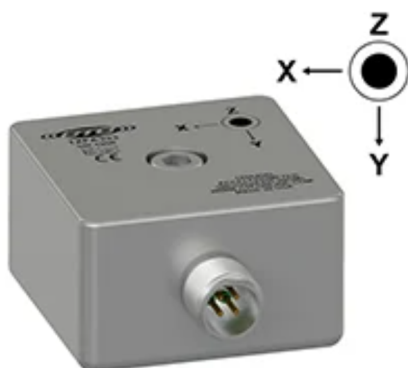


TXFA333 Series

Low Cost, Low Frequency Triaxial Accelerometer, Side Exit 4 Pin Connector, Follows Cartesian Phase Coordinate System, ± 500 mV/g, 15%



VIBRATION ANALYSIS HARDWARE



Product Features

Collect Three Channels of Data Simultaneously for Faster Data Collection

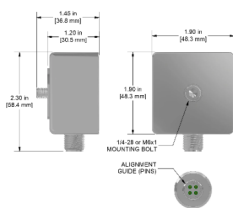
Follows Cartesian Coordinate Phase Configuration (Right-Hand Rule)

- Designed for Low-Speed Applications such as Low-Speed Rotors, Main Bearings, and Gear Box Inputs
- TXFA333 Mini-MIL Connector Exit Option Compatible CTC J Series Mini-MIL Connectors
- TXFA233 M12 Connector Exit Option Compatible with CTC M4 Series Connectors

TXFA233

4 Pin M12 Connector

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

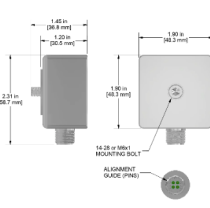


Stock Product

TXFA333

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

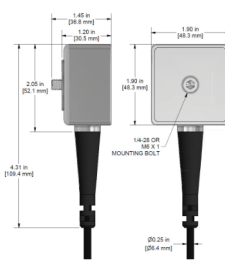


Stock Product

TXFA433

CB105 Integral Cable

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

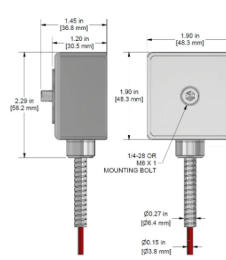


Built To Order

TXFA533

CB218 Armored Integral Cable

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



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TXFA333	M/TXFA333	<u>Environmental</u>		
Sensitivity ($\pm 15\%$)		500 mV/g	Operating Temperature Range	-58 to 250 °F	-50 to 121 °C
Frequency Response (± 3 dB)	6-420,000 CPM	0,1-7,000 Hz	Maximum Shock Protection		5,000 g, peak
Dynamic Range		± 10 g, peak *Vsource ≥ 22 V, 12Vbias	Electromagnetic Sensitivity		CE
Transverse Sensitivity		$\leq 5\%$	Sealing		Welded, Hermetic
<u>Electrical</u>			Submersible Depth	200 ft.	60 m
Settling Time	<2 Seconds		SIL Rating		SIL 2
Voltage Source	18-30 VDC		<u>Physical</u>		
Constant Current Excitation	2-10 mA		Sensing Element		PZT Ceramic
Spectral Noise @ 10 Hz	1.7 μ g/ $\sqrt{\text{Hz}}$		Sensing Structure		Shear Mode
Spectral Noise @ 100 Hz	0.2 μ g/ $\sqrt{\text{Hz}}$		Weight	13.4 oz	380 grams
Spectral Noise @ 1000 Hz	0.12 μ g/ $\sqrt{\text{Hz}}$		Case Material		316L Stainless Steel
Output Impedance	<100 ohm		Connector (Non-Integral)		TXFA333: 4 pin mini-MIL or TXFA233: 4 pin M12
Bias Output Voltage	10-14 VDC		Resonant Frequency	600,000 CPM	10 kHz
Case Isolation	>10 ⁸ ohm		Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
			Mounting Hardware Supplied	1/4-28 Captive Bolt	M6x1 Captive Bolt
			Calibration Certificate		CA10

Typical Frequency Response

