

TXFA331-TA Series



Premium, Dual Output Triaxial Sensor, Temperature & Acceleration, Side Exit 6 Pin Connector, 500 mV/g, 10 mV/°C, ±5%

VIBRATION ANALYSIS HARDWARE



Product Features

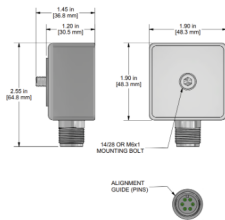
3 Axes of Vibration with Additional Temperature Output in One Sensor

Phase conforms to cartesian coordinate system (right hand rule)

- ▶ Designed for low speed Rotors, Main Bearings, and Gear Box Inputs.
- ▶ Temperature Output 10 mV/°C
- ▶ Compatible with A5A Connector and CB123, CB129 and CB629 cabling

TXFA331-TA

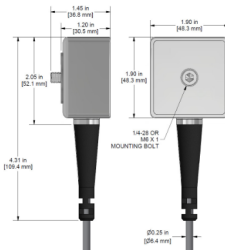
Connector Pin	Polarity
1 (Axis Y)	(+) Signal/Power
2 (Axis X)	(+) Signal/Power
3 (Axis Z)	(+) Signal/Power
4	(-) Common/Ground
5	(+) Temperature
6	Not Used



Stock Product

TXFA431-TA

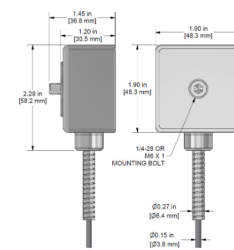
Connector Pin	Polarity
1 Red (Axis Y)	(+) Signal/Power
2 Green (Axis X)	(+) Signal/Power
3 White (Axis Z)	(+) Signal/Power
4 Black	(-) Common/Grid
5 Blue	(+) Temperature
6	Not Used



Built To Order

TXFA531-TA

Connector Pin	Polarity
1 Red (Axis Y)	(+) Signal/Power
2 Green (Axis X)	(+) Signal/Power
3 White (Axis Z)	(+) Signal/Power
4 Black	(-) Common/Grid
5 Blue	(+) Temperature
6	Not Used



Built To Order

Specifications	Standard	Met	Specifications	Standard	Metric
Part Number	TXFA331-TA	M/TXFA331-TA	Environmental		
Sensitivity (±5%)	500 mV/g		Operating Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±3dB)	6-420,000 CPM	0.1-7,000 Hz	Maximum Shock Protection		5,000 g, peak
Frequency Response (±10%)	18-180,000 CPM	0.3-300 Hz	Electromagnetic Sensitivity		CE
Dynamic Range	± 10 g, peak *Vsource ≥ 22V, 12Vbias		Sealing		Welded, Hermetic
Temperature Measurement Range	-40 to 250°F	-40 to 121°C	Submersible Depth	200 ft.	60 m
Temperature Output	10 mV/°C		SIL Rating		SIL 2
Temperature Sensor	750 mV = 25 °C (±1)		Sensing Element		PZT Ceramic
Weight			Sensing Structure		Shear Mode
Case Material			Weight	13.4 oz	380 grams
Connector (Non-Integral)			Case Material		316L Stainless Steel

Electrical