



## TXEA331-TA Series

Premium, Dual Output Triaxial Sensor, Temperature & Acceleration,  
Side Exit 6 Pin Connector, 100 mV/g, 10 mV/°C, ±5%



VIBRATION ANALYSIS HARDWARE



### Product Features

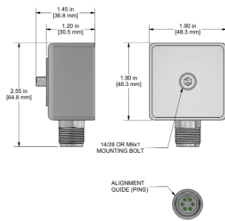
3 Axes of Vibration with Additional  
Temperature Output in One Sensor

Temperature Output 10 mV/°C

- ▶ Phase conforms to cartesian coordinate system (right hand rule)
- ▶ Must use with A5A Connector, and CB123, CB126 or CB629 Cabling

#### TXEA331-TA 6 Pin Connector

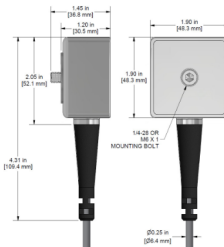
Connector Pin	Polarity
1 (Axis Y)	(+) Signal/Power
2 (Axis X)	(+) Signal/Power
3 (Axis Z)	(+) Signal/Power
4	(-) Common/Ground
5	(+) Temperature
6 (N/A)	



Stock Product

#### TXEA431-TA CB123 Integral Cable

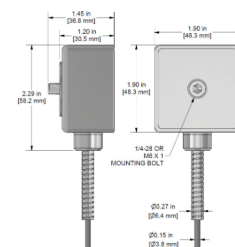
Connector Pin	Polarity
1 Red (Axis Y)	(+) Signal/Power
2 Green (Axis X)	(+) Signal/Power
3 White (Axis Z)	(+) Signal/Power
4 Black	(-) Common/Grid
5 Blue	(+) Temperature
6	Not Used



Built To Order

#### TXEA531-TA CB629 Armored Integral Cable

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	Metric	Specifications	Standard	Metric
Part Number	TXEA331-TA	M/TXEA431-TA	Environmental		
Sensitivity (±5%)	100 mV/g		Operating Temperature Range	-40 to 250°F	-40 to 121°C
Frequency Response (±3dB)	30-420,000 CPM	0.5-7, Hz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	120-210,000 CPM	2.0-3, Hz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 80 g, peak *Vsource ≥ 22V, 12Vbias		Sealing	IP68	
Temperature Measurement Range	-40 to 250°F	-40 to	Submersible Depth	200 ft.	60 m
Temperature Output	10 mV/°C		Physical		
Temperature Sensor	750 mV = 25 °C (±1)		Sensing Element	PZT	
			Sensing Structure	Ceramic	
			Weight	12.2 oz	347 grams
			Case Material	316L	
			Connector (Non-Integral)	Steel	
				6 Pin	
				600,000	10,000