

TXEA331-VT Series



VIBRATION ANALYSIS HARDWARE

Premium Dual Output, Piezo Velocity & Temperature Triaxial Sensor, Side Exit 6 Pin Connector, 100 mV/in/sec, 10 mV/°C, ±5%



Product Features

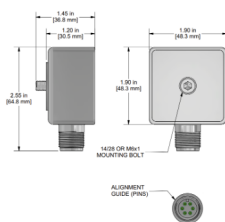
3 Axes of Vibration with Additional Temperature Output in One Sensor

Phase Conforms to Cartesian Coordinate System (Right-Hand Rule)

- ▶ Must use with A5A Connector, and CB123, CB126 or CB629 Cabling

TXEA331-VT Side Exit 6 Pin Connector

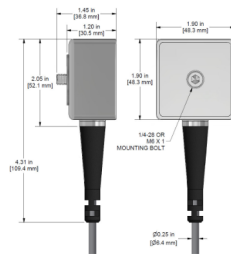
Connector Pin	Polarity
1 (Axis Y)	(+) Signal/Power
2 (Axis X)	(+) Signal/Power
3 (Axis Z)	(+) Signal/Power
4	(-) Common/Grid
5	(+) Temperature
6	Not Used



Stock Product

TXEA431-VT CB123 Integral Cable

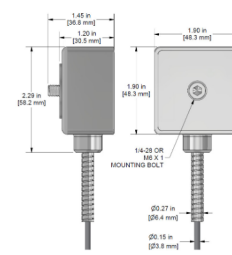
Connector Pin	Polarity
1 Red (Axis Y)	(+) Signal/Power
2 Green (Axis X)	(+) Signal/Power
3 White (Axis Z)	(+) Signal/Power
4 Black	(-) Common/Grid
5 Blue	(+) Temperature
6	Not Used



Built To Order

TXEA531-VT 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-VT	M/TXEA331-VT	Environmental		
Sensitivity (±5%)	100 mV/in/sec		Operating Temperature Range	-58 to 250 °F	-50 to 121 °C
Frequency Response (±3dB)	90 to 240,000 CPM	1,5 to 4,000 Hz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	120 to 210,000 CPM	2,0 to 3,500 Hz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 50 in/sec. pk *Vsource ≥ 22V, 12Vbias		SIL Rating	SIL 2	
Settling Time	<4 seconds		Physical		
Voltage Source (IEPE)	18-30 VDC		Sensing Element	PZT Ceramic	
			Sensing Structure	Shear Mode	
			Weight	12.3 oz	349 grams
			Case Material	316L Stainless Steel	
			Connector (Non-Integral)	6 Pin	
			Resonant Frequency	600,000 CPM	10,000 Hz