

TXEA331-HT Series

Premium, High Temperature Triaxial Accelerometer, 100 mV/g, Side Exit 4 Pin Connector, ±5%



VIBRATION ANALYSIS HARDWARE



Product Features

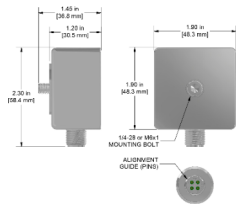
Collect 3 Channels of Data Simultaneously for Faster Data Collection

Follows Cartesian Coordinate Phase Configuration (Right Hand Rule)

- ▶ Resistant to Temperatures Up to 325°F (162°C)
- ▶ Mini-MIL Connector Exit Option Compatible with J4R and VJ4R Connectors
- ▶ M12 Connector Exit Option Compatible with M4R Connector

TXEA231-HT 4 Pin M12 Connector

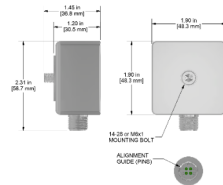
Connector Pin	Polarity
1 (Axis Y)	(+) Signal/Power
2 (Axis X)	(+) Signal/Power
3 (Axis Z)	(+) Signal/Power
4	(-) Common



Stock Product

TXEA331-HT 4 Pin Mini-MIL Connector

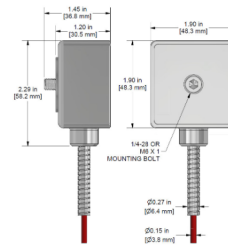
Connector Pin	Polarity
A (Axis Y)	(+) Signal/Power
B (Axis X)	(+) Signal/Power
C (Axis Z)	(+) Signal/Power
D	(-) Common/Grid



Stock Product

TXEA531-HT CB218 Armored Integral Cable

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



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TXEA331-HT	M/TXEA331-HT	Environmental		
Sensitivity (±5%)	100 mV/g		Operating Temperature Range	-58 to 325°F	-50 to 162°C
Frequency Response (±3dB)	30 to 270,000 CPM	0.5 Hz to 4.5 kHz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	120 to 210,000 CPM	2 Hz to 3 kHz	Electromagnetic Sensitivity	CE	
Dynamic Range	±50 in/sec pk. *V _{source} ≥ 22V, 12V _{bias}		Sealing	Welded, Hermetic	
Electrical			SIL Rating	SIL 2	
Settling Time	<2.5 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	8 µg/√Hz		Weight	13.4 oz	380 grams
	82 µg/		Case Material	316L Stainless Steel	
			Connector (Non-Integral)	4 Pin Mini-MIL or 4 Pin M12	