

TXEA331-HT Series

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



VIBRATION ANALYSIS HARDWARE



Product Features

Resistant to Temperatures Up to 325°F (162°C)

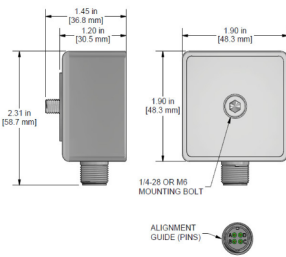
Phase conforms to cartesian coordinate system (right hand rule)

- ▶ 100 mV/g Sensitivity, ±5% Sensitivity
- ▶ 4 Pin Mini-MIL Connection or Integral Cable
Note: Integral Cable Options are only for Permanent Monitoring Applications
- ▶ Must use J4R or VJ4R connectors & CB119 cable

TXEA331-HT

4 Pin Connector

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

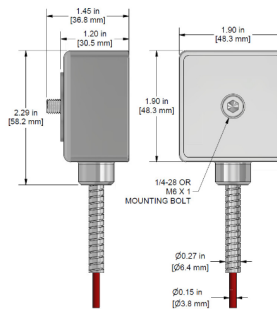


Stock Product

TXEA531-HT

CB218 Armored Integral Cable

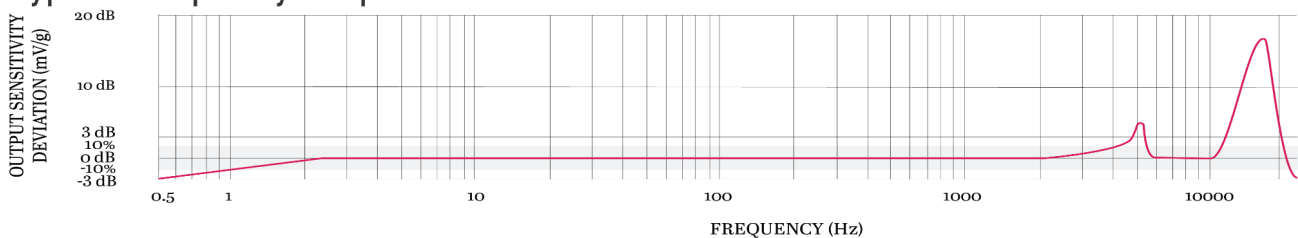
Conductor	Polarity
Red (Axis Y)	(+) Signal/Power
Green (Axis X)	(+) Signal/Power
White (Axis Z)	(+) Signal/Power
Black	(-) Common/Grid



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TXEA331-HT	M/TXEA331-HT	Environmental		
Sensitivity (±5%)	100 mV/g		Temperature Range	-58 to 325°F	-50 to 162°C
Frequency Response (±3dB)	30 to 270,000 CPM	0.5 Hz to 4.5kHz	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.		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
Spectral Noise @ 100 Hz	.82 µg/√Hz		Case Material	316L Stainless Steel	
Spectral Noise @ 1000 Hz	.3 µg/√Hz		Mounting	1/4-28	
Output Impedance	<100 ohm		Connector (Non-Integral)	4 pin mini-MIL	
Bias Output Voltage	10-14 VDC		Resonant Frequency	720,000 CPM	12 kHz
Case Isolation	>10 ⁸ ohm		Mounting Torque	2 to 5 ft. lbs.	2.7 to 6.8 Nm
			Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
			Calibration Certificate	CA10	

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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