

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)

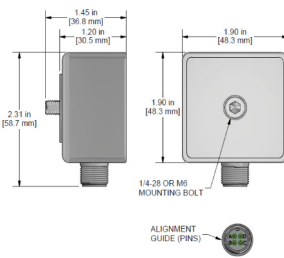
Phase conforms to cartesian coordinate system (right hand rule)

- ▶ 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

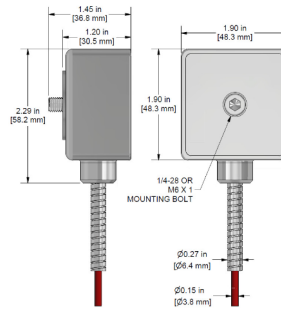


Stock Product

TXEA531-HT

CB218 Armored Integral Cable

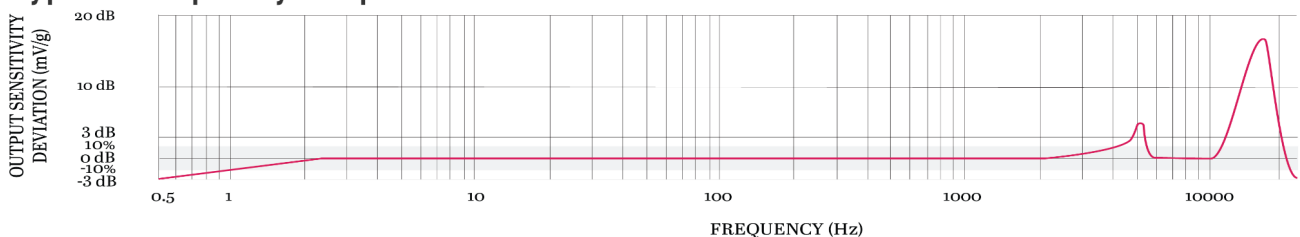
Conductor	Polarity
Red (Axis Y)	(+) Signal/Power
Green (Axis X)	(+) Signal/Power
White (Axis Z)	(+) Signal/Power
Black (Axis Z)	(-) Common/Grid



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TXEA331-HT	M/TXEA331-HT	<u>Environmental</u>		
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
<u>Electrical</u>			SIL Rating		SIL 2
Settling Time		<2.5 Seconds	<u>Physical</u>		
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

www.ctconline.com | sales@ctconline.com | 585-924-5900