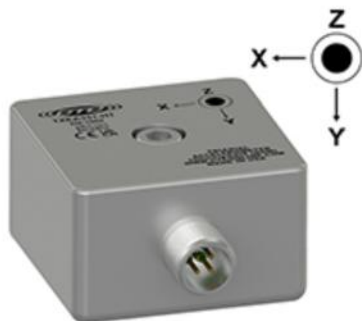


# TXEA331-HT Series

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

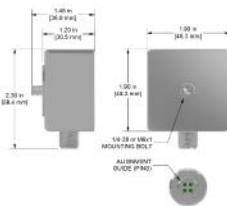
Follows Cartesian Coordinate Phase Configuration (Right Hand Rule)

- ▶ 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

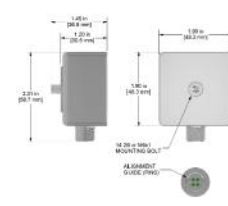


Stock Product

### 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

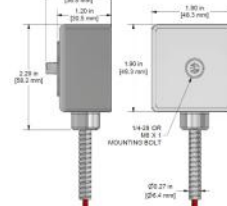


Stock Product

### TXEA531-HT

CBZ18 Armored Integral Cable

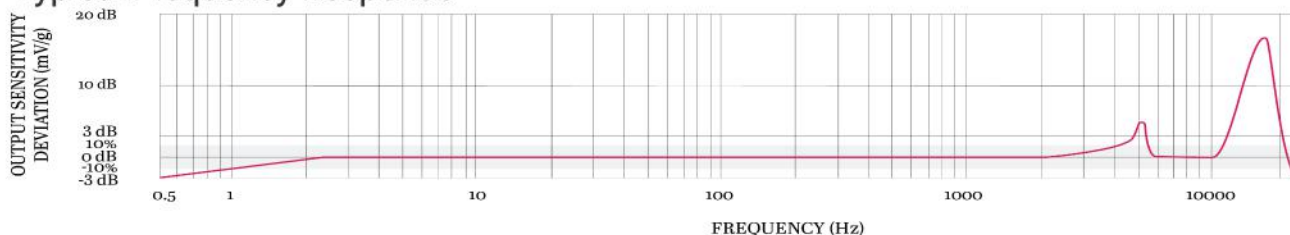
Conductor	Polarity
Red (Axis Y)	(+) Signal/Power
Green (Axis X)	(+) Signal/Power
White (Axis Z)	(+) Signal/Power
Black	(-) Common/Grid



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TXEA331-HT	M/TXEA331-HT	<b>Environmental</b>		
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.		Sealing	Welded, Hermetic	
<b>Electrical</b>			SIL Rating	SIL 2	
Settling Time	<2.5 Seconds		<b>Physical</b>		
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		Connector (Non-Integral)	4 Pin Mini-MIL or 4 Pin M12	
Output Impedance	<100 ohm		Resonant Frequency	720,000 CPM	12 kHz
Bias Output Voltage	10-14 VDC		Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Case Isolation	>10 <sup>8</sup> ohm		Mounting Hardware Supplied	1/4-28 Captive Bolt	M6x1 Captive Bolt
			Calibration Certificate	CA10	

## Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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

# TXEA333-HT Series

Low Cost, High Temperature Triaxial Accelerometer, Side Exit 4 Pin Connector, 100 mV/g, ±15%



VIBRATION ANALYSIS HARDWARE



## Product Features

Collect 3 Channels of Data Simultaneously for Faster Data Collection

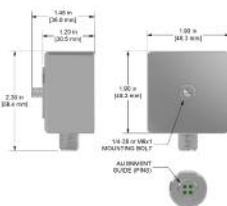
Follows Cartesian Coordinate Phase Configuration (Right Hand Rule)

- ▶ 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

### TXEA233-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

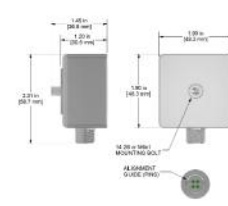


Stock Product

### TXEA333-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

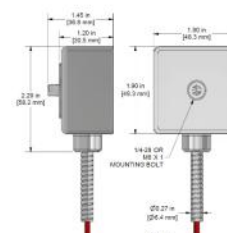


Stock Product

### TXEA533-HT

CBZ18 Armored Integral Cable

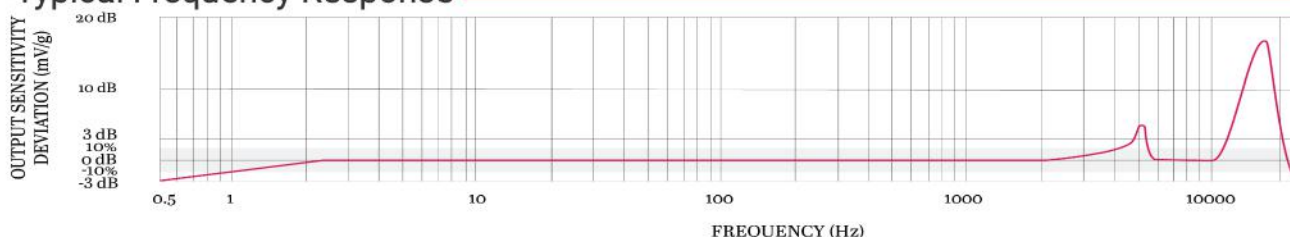
Conductor	Polarity
Red (Axis Y)	(+) Signal/Power
Green (Axis X)	(+) Signal/Power
White (Axis Z)	(+) Signal/Power
Black	(-) Common/Grid



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TXEA333-HT	M/TXEA333-HT	<b>Environmental</b>		
Sensitivity (±15%)	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.		Sealing	Welded, Hermetic	
<b>Electrical</b>			Submersible Depth	200 ft.	60 m
Settling Time	<2 Seconds		SIL Rating	SIL 2	
Voltage Source (IEPE)	18-30 VDC		<b>Physical</b>		
Constant Current Excitation	2-10 mA		Sensing Element	PZT Ceramic	
Spectral Noise @ 10 Hz	1.7 µg/√Hz		Sensing Structure	Shear Mode	
Spectral Noise @ 100 Hz	0.2 µg/√Hz		Weight	13.4 oz	380 grams
Spectral Noise @ 1000 Hz	0.12 µg/√Hz		Case Material	316L Stainless Steel	
Output Impedance	<100 ohm		Connector (Non-Integral)	4 Pin Mini-MIL or 4 Pin M12	
Bias Output Voltage	10-14 VDC		Resonant Frequency	720,000 CPM	12 kHz
Case Isolation	>10 <sup>8</sup> ohm		Mounting Torque	2 to 5 ft. lbs.	2.7 to 6.8 Nm
			Mounting Hardware Supplied	1/4-28 Captive Bolt	M6x1 Captive Bolt
			Calibration Certificate	CA10	

## Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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