

TXEA333-HT Series



Low Cost, High Temperature Triaxial Accelerometer, Side Exit 4 Pin Connector, Follows Cartesian Phase Coordinate System, 100 mV/g, $\pm 15\%$



Product Features

Collect Three Channels of Data Simultaneously for Faster Data Collection

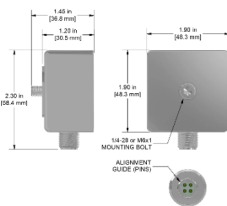
Follows Cartesian Coordinate Phase Configuration (Right-Hand Rule)

- ▶ Resistant to Temperatures Up to 325 °F (162 °C)
- ▶ TXEA333-HT Mini-MIL Connector Exit Option Compatible with J4R and VJ4R Connectors
- ▶ TXEA233-HT 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

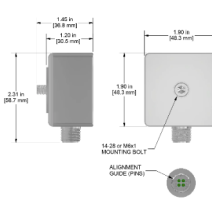


Stock Product

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/GND

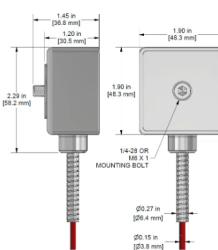


Stock Product

TXEA533-HT

CB218 Armored Integral Cable

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



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TXEA333-HT	M/TXEA333-HT	Environmental		
Sensitivity ($\pm 15\%$)	100 mV/g		Operating Temperature Range	-58 to 325 °F	-50 to 162 °C
Frequency Response ($\pm 3\text{dB}$)	30 to 270,000 CPM	0.5 Hz to 4.5 kHz	Maximum Shock Protection	5,000 g, peak	
Dynamic Range	$\pm 50 \text{ in/sec pk.}$ *Vsource $\geq 22\text{V}$, 12Vbias		Electromagnetic Sensitivity	CE	
Transverse Sensitivity	$\leq 5\%$		Sealing	Welded, Hermetic	
Electrical			Submersible Depth	200 ft.	60 m
Settling Time	<2 Seconds		SIL Rating	SIL 2	
Voltage Source	18-30 VDC		Physical		
Constant Current Excitation	2-10 mA		Sensing Element	PZT Ceramic	
Spectral Noise @ 10 Hz	1.7 $\mu\text{g}/\sqrt{\text{Hz}}$		Sensing Structure	Shear Mode	
Spectral Noise @ 100 Hz	0.2 $\mu\text{g}/\sqrt{\text{Hz}}$		Weight	13.4 oz	380 grams
Spectral Noise @ 1000 Hz	0.12 $\mu\text{g}/\sqrt{\text{Hz}}$		Case Material	316L Stainless Steel	
Output Impedance	<100 ohm		Connector (Non-Integral)	TXEA333-HT: 4 Pin Mini-MIL TXEA233-HT: 4 Pin M12	
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 Supplied	1/4-28 Captive Bolt	M6x1 Captive Bolt
			Calibration Certificate	CA10	

Typical Frequency Response

