

# TXEA333-TA Series



Low Cost, Dual Output Triaxial Sensor, Temperature & Acceleration, Side Exit 6 Pin Connector, 100 mV/g, 10 mV/°C, ±15%

VIBRATION ANALYSIS HARDWARE



## Product Features

3 Axes of Vibration with Additional Temperature Output in One Sensor

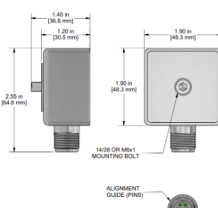
Temperature Output 10 mV/°C

- ▶ Phase conforms to cartesian coordinate system (right hand rule)
- ▶ Must use with A5A Connector, and CB123, CB126 or CB629 Cabling

### TXEA333-TA

Side Exit 6 Pin Connector

Connector Pin	Polarity
1 (Axis Y)	(+) Signal/Power
2 (Axis X)	(+) Signal/Power
3 (Axis Z)	(+) Signal/Power
4	(-) Common/Grid
5	(+) Temperature
6	Not Used

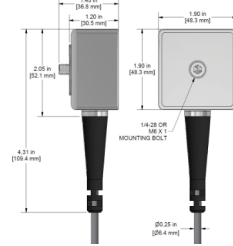


Stock Product

### TXEA433-TA

CB123 Integral Cable

Connector Pin	Polarity
1 Red (Axis Y)	(+) Signal/Power
2 Green (Axis X)	(+) Signal/Power
3 White (Axis Z)	(+) Signal/Power
4 Black	(-) Common/Grid
5 Blue	(+) Temperature
6	Not Used

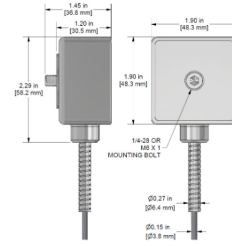


Built To Order

### TXEA533-TA

CB629 Armored Integral Cable

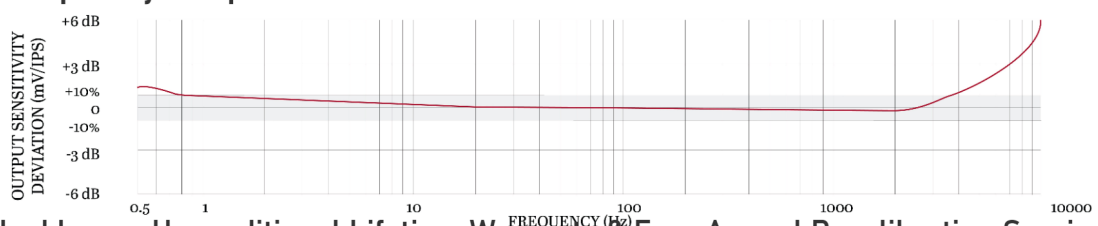
Connector Pin	Polarity
1 Red (Axis Y)	(+) Signal/Power
2 Green (Axis X)	(+) Signal/Power
3 White (Axis Z)	(+) Signal/Power
4 Black	(-) Common/Grid
5 Blue	(+) Temperature
6	Not Used



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TXEA333-TA	M/TXEA333-TA	<b>Environmental</b>		
Sensitivity (±15%)	100 mV/g		Operating Temperature Range	-40 to 250°F	-40 to 121°C
Frequency Response (±3dB)	30 to 420,000 CPM	0.5 to 7,000 Hz	Maximum Shock Protection	5,000 g, peak	
Dynamic Range	± 80 g, peak *Vsource ≥ 22V, 12Vbias		Electromagnetic Sensitivity	CE	
Temperature Measurement Range	-40 to 250°F	-40 to 121°C	Sealing	IP68	
Temperature Output	10 mV/°C		Submersible Depth	200 ft.	60 m
Temperature Sensor	750 mV = 25 °C (±1)		<b>Physical</b>		
<b>Electrical</b>			Sensing Element	PZT Ceramic	
Settling Time	<2.5 seconds		Sensing Structure	Shear Mode	
Voltage Source (IEPE)	18-30 VDC		Weight	12.2 oz	347 grams
Constant Current Excitation	2-10 mA		Case Material	316L Stainless Steel	
Spectral Noise @ 10 Hz	14 µg/√Hz		Connector (Non-Integral)	6 Pin	
Spectral Noise @ 100 Hz	2.3 µg/√Hz		Resonant Frequency	600,000 CPM	10,000 Hz
Spectral Noise @ 1000 Hz	2 µg/√Hz		Mounting Torque	2 to 5 ft. lbs.	2.7 to 6.8 Nm
Output Impedance	<100 ohm		Mounting Hardware Supplied	1/4-28 Captive Bolt	M6x1 Captive Bolt
Bias Output Voltage	10-14 VDC		Calibration Certificate	CA10	
Case Isolation	>10 <sup>9</sup> ohm				

## Typical Frequency Response



Backed by our Unconditional Lifetime Warranty & Free Annual Recalibration Service

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