

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

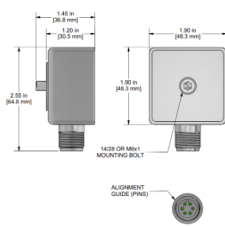
3 Axes of Vibration with Additional Temperature Output in One Sensor

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

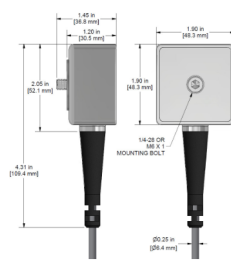
| Connector Pin | Polarity |
|---------------|------------------|
| 1 (Axis Y) | (+) Signal/Power |
| 2 (Axis X) | (+) Signal/Power |
| 3 (Axis Z) | (+) Signal/Power |
| 4 | (-) Common/Grid |
| 5 | (+) Temperature |
| 6 | Not Used |



Stock Product

TXEA433-TA CB123 Integral Cable

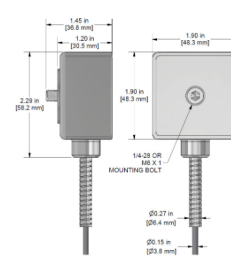
| Connector Pin | Polarity |
|------------------|------------------|
| 1 Red (Axis Y) | (+) Signal/Power |
| 2 Green (Axis X) | (+) Signal/Power |
| 3 White (Axis Z) | (+) Signal/Power |
| 4 Black | (-) Common/Grid |
| 5 Blue | (+) Temperature |
| 6 | Not Used |



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 | Environmental | Standard | Metric |
|-------------------------------|---|--------------|-----------------------------|----------------------|--------------|
| Part Number | TXEA333-TA | M/TXEA333-TA | | | |
| 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 1 Hz | Maximum Shock Protection | 5,000 g, peak | |
| Frequency Response (±10%) | 120 to 210,000 CPM | 2.0 to 3 Hz | Electromagnetic Sensitivity | CE | |
| Dynamic Range | ± 80 g, peak *Vsource ≥ 22V, 12Vbias | | Sealing | IP68 | |
| Temperature Measurement Range | -40 to 250°F | -40 to | Submersible Depth | 200 ft. | 60 m |
| Temperature Output | 10 mV/°C | | Physical | | |
| Temperature Sensor | 750 mV = 25 °C (±1) | | Sensing Element | PZT Ceramic | |
| | | | Sensing Structure | Shear Mode | |
| | | | Weight | 12.2 oz | 347 grams |
| | | | Case Material | 316L Stainless Steel | |
| | | | Connector (Non-Integral) | 6 Pin | |
| | | | | 600,000 | 10,000 |