

TSFA333-IV Series

Inverse Voltage Triaxial Accelerometer, Side Exit 4 Pin Mini-MIL Connector, 100 mV/g, ±15%



VIBRATION ANALYSIS HARDWARE



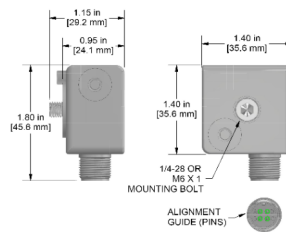
Product Features

Inverse Voltage Triaxial Accelerometer

- ▶ Monitor 3 Channels of Data Simultaneously
- ▶ For Use With Baker Hughes/Commtest Systems
- ▶ Must Use J4A, J4C, J4N, J4P, or V4J Connectors and CB105, CB117, CB119 or CB218 Cables

TSFA333-IV 4 Pin Connector

| Connector Pin | Polarity |
|---------------|------------------|
| A (Axis Y/3) | (-) Signal/Power |
| B (Axis X/2) | (-) Signal/Power |
| C (Axis Z/1) | (-) Signal/Power |
| D | (+) Common/Grid |



Stock Product

| Specifications | Standard | Metric | Specifications | Standard | Metric |
|-----------------------------|---|--------------|-----------------------------|----------------------|-------------------|
| Part Number | TSFA333-IV | M/TSFA333-IV | Environmental | | |
| Sensitivity (±15%) | 100 mV/g | | Operating Temperature Range | -58 to 250°F | -50 to 121°C |
| Frequency Response (±3dB) | 60-390,000 CPM | 1,0-6500 Hz | Electromagnetic Sensitivity | CE | |
| Dynamic Range | ± 50 g, peak *Vsource ≤ -20V, 8.5Vbias | | Sealing | Welded, Hermetic | |
| Electrical | | | Submersible Depth | 200 ft. | 60 m |
| Settling Time | <2.5 seconds | | Physical | | |
| Voltage Source (IEPE) | -18 to -30 VDC | | Sensing Element | PZT Ceramic | |
| Constant Current Excitation | 2-10 mA | | Sensing Structure | Shear Mode | |
| Spectral Noise @ 10 Hz | 27 µg/√Hz | | Weight | 7.1 oz | 200 grams |
| Spectral Noise @ 100 Hz | 6.5 µg/√Hz | | Case Material | 316L Stainless Steel | |
| Spectral Noise @ 1000 Hz | 2.5 µg/√Hz | | Connector (Non-Integral) | 4 Pin J Connector | |
| Output Impedance | <100 ohm | | Mounting Torque | 1 to 2 ft. lbs. | 1,4 to 2,7 Nm |
| | | | Mounting Hardware Supplied | 1/4-28 Captive Bolt | M6x1 Captive Bolt |