

# TSFA333-IV Series

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



VIBRATION ANALYSIS HARDWARE



## Product Features

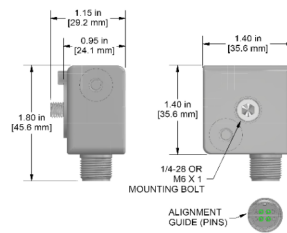
### Inverse Voltage Triaxial Accelerometer

- ▶ Monitor Three 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



Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TSFA333-IV	M/TSFA333-IV	<b>Environmental</b>		
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	
<b>Electrical</b>			Submersible Depth	200 ft.	60 m
Settling Time		<2.5 seconds	<b>Physical</b>		
Voltage Source		-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
Bias Output Voltage		-10 to -14 VDC	Mounting Hardware Supplied	1/4-28 Captive Bolt	M6x1 Captive Bolt
Case Isolation		>10 <sup>8</sup> ohm	Calibration Certificate	CA10	

## Typical Frequency Response

