

TSFA333-IV Series

Low Cost, Inverse Voltage Triaxial Accelerometer, Side Exit 4 Pin Mini-MIL Connector, Follows Cartesian Phase Coordinate System, 100 mV/g, $\pm 15\%$



VIBRATION ANALYSIS HARDWARE



Product Features

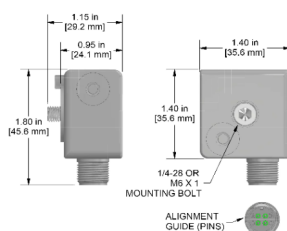
Inverse Voltage Triaxial Accelerometer

- ▶ 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



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TSFA333-IV	M/TSFA333-IV	Environmental		
Sensitivity ($\pm 15\%$)	100 mV/g		Operating Temperature Range	-58 to 250 °F	-50 to 121 °C
Frequency Response ($\pm 3\text{dB}$)	60-390,000 CPM	1,0-6500 Hz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 50 g, peak		Sealing	Welded, Hermetic	
Transverse Sensitivity	$\leq 5\%$		Submersible Depth	200 ft.	60 m
Electrical			Physical		
Settling Time	<2.5 seconds		Sensing Element	PZT Ceramic	
Voltage Source	-18 to -30 VDC		Sensing Structure	Shear Mode	
Constant Current Excitation	2-10 mA		Weight	7.1 oz	200 grams
Spectral Noise @ 10 Hz	27 $\mu\text{g}/\sqrt{\text{Hz}}$		Case Material	316L Stainless Steel	
Spectral Noise @ 100 Hz	6.5 $\mu\text{g}/\sqrt{\text{Hz}}$		Connector (Non-Integral)	4 Pin J Connector	
Spectral Noise @ 1000 Hz	2.5 $\mu\text{g}/\sqrt{\text{Hz}}$		Mounting Torque	1 to 2 ft. lbs.	1,4 to 2,7 Nm
Output Impedance	<100 ohm		Mounting Hardware Supplied	1/4-28 Captive Bolt	M6x1 Captive Bolt
Bias Output Voltage	-10 to -14 VDC		Calibration Certificate	CA10	
Case Isolation	>10 ⁸ ohm				

Typical Frequency Response

