

TXFA331-VT Series

Premium, Low Frequency & Dual Output, Piezo Velocity & Temperature
Triaxial Sensor, Side Exit 6 Pin Connector, Follows Cartesian Phase
Coordinate System, 500 mV/in/sec, 10 mV/°C, ±5%



Product Features

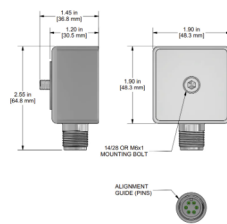
500 mV/in/sec (20 mV/mm/sec) Sensitivity

Phase Conforms to Cartesian Coordinate System
(Right-Hand Rule)

TXFA331-VT

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
5	(+) Temperature
6	Not Used

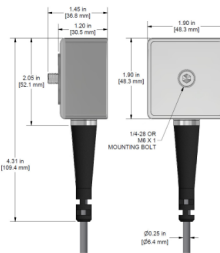


Stock Product

TXFA431-VT

CB123 Integral Cable

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

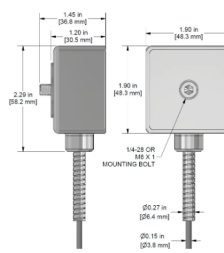


Built To Order

TXFA531-VT

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/GND
5 Blue	(+) Temperature
6	Not Used



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TXFA331-VT	M/TXFA331-VT	Environmental		
Sensitivity (±5%)		500 mV/in/sec	Operating Temperature Range	-58 to 250 °F	-50 to 121 °C
Frequency Response (±3dB)	120 to 180,000 CPM	2.0 Hz to 3,000 Hz	Maximum Shock Protection		5,000 g, peak
Frequency Response (±10%)	60 to 270,000 CPM	1.0 Hz to 4,500 Hz	Electromagnetic Sensitivity		CE
Dynamic Range		+/-10 in/sec pk *Vsource = 22V, 12Vbias	Sealing		Welded, Hermetic
Transverse Sensitivity		≤5%	SIL Rating		SIL 2
Electrical			Physical		
Settling Time		<4 Seconds	Sensing Element		PZT Ceramic
Voltage Source		18-30 VDC	Sensing Structure		Shear Mode
Constant Current Excitation		2-10 mA	Weight	13.4 oz	380 grams
Spectral Noise @ 10 Hz		200 µ IPS/√Hz	Case Material		316L Stainless Steel
Spectral Noise @ 100 Hz		6 µ IPS/√Hz	Mounting Thread		1/4-28
Spectral Noise @ 1000 Hz		0.7 µ IPS/√Hz	Connector (Non-Integral)		4 Pin Mini-MIL
Output Impedance		<100 ohm	Resonant Frequency	240,000 CPM	4,000 Hz
Bias Output Voltage		10-14 VDC	Mounting Torque	2 to 5 ft. lbs	2.7 to 6.8 Nm
Case Isolation		>10 ⁸ ohm	Mounting Hardware Supplied	1/4-28 Captive Bolt	M6x1 Captive Bolt
			Calibration Certificate		CA10

Typical Frequency Response

