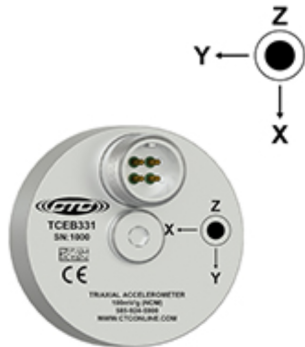


TCEB331 Series

Premium Miniature Industrial Circular Triaxial Accelerometer, Top Exit 4 Pin Mini-MIL Connector, 100 mV/g, ±5%



VIBRATION ANALYSIS HARDWARE



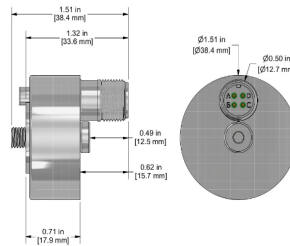
Product Features

Cartesian Coordinate Phase Configuration

100 mV/g, ±5% sensitivity tolerance

- ▶ Low Profile Top Exit Case
- ▶ Uses J4A, J4C, or J4N Connectors and CB105, CB117, CB119, or CB218 Cables

TCEB331 4 Pin Connector



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TCEB331	TCEB341	Environmental		
Sensitivity (±5%)		100 mV/g	Temperature Range	-65 to 250°F	-54 to 121°C
Frequency Response (±3dB)	120 to 720,000 CPM	2 Hz to 12 kHz	Maximum Shock Protection		10,000 g, peak
Frequency Response (±10%)	240 to 600,000 CPM	4 Hz to 10 kHz	Electromagnetic Sensitivity		CE
Dynamic Range		50 g	Sealing		Welded, Hermetic
Electrical			SIL Rating		SIL 2
Settling Time		<2.5 Seconds	Physical		
Voltage Source (IEPE)		18-30 VDC	Sensing Element		PZT Ceramic
Constant Current Excitation		2-10 mA	Sensing Structure		Shear Mode
Spectral Noise @ 10 Hz		30 µg/√Hz	Weight	4.8 oz	136 grams
Spectral Noise @ 100 Hz		4 µg/√Hz	Case Material		316L Stainless Steel
Spectral Noise @ 1000 Hz		2 µg/√Hz	Mounting		1/4-28
Output Impedance		<100 ohm	Connector (Non-Integral)		4 Pin Mini-MIL
Bias Output Voltage		10-14 VDC	Resonant Frequency	1,020,000 CPM (± 12,000 CPM)	17 kHz (±2kHz)
Case Isolation		>10 ⁸ ohm	Mounting Torque	1 to 2 ft. lbs.	1,4 to 2,7 Nm
			Mounting Hardware	1/4-28 Captive Bolt	M6x1 Captive Bolt
			Calibration Certificate		CA10

Typical Frequency Response

