

WT202 Series

General Purpose Wind Turbine Accelerometer, Top Exit Connector, 100 mV/g



VIBRATION ANALYSIS HARDWARE

Actual Product Size Shown



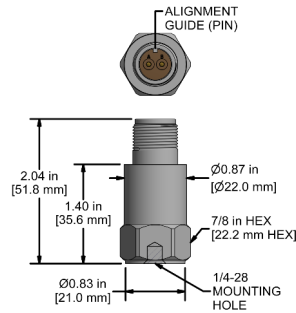
Product Features

- ▶ 100 mV/g Sensitivity, $\pm 10\%$ Sensitivity
- ▶ 10,000 Hz for High Frequency Detection
- ▶ 5,000 VAC rms Protection

WT202-1D

2 Pin Connector

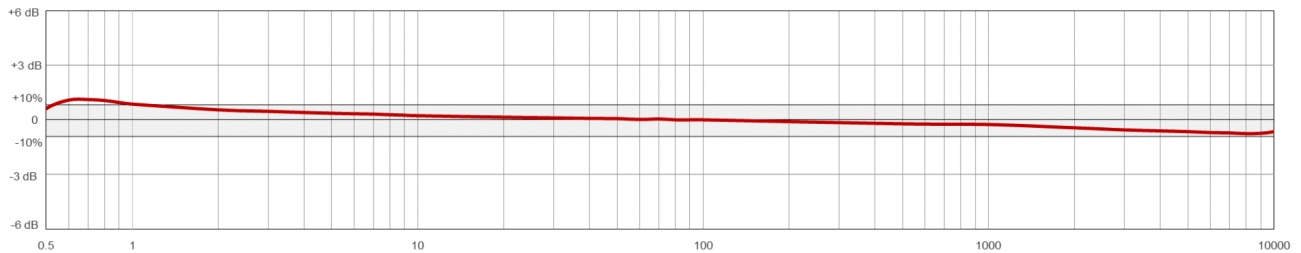
Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	WT202-1D	M/WT202-1D	Environmental		
Sensitivity ($\pm 10\%$)		100 mV/g	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response ($\pm 3\text{dB}$)	30-600,000 CPM	0.5 Hz-10 kHz	Electromagnetic Sensitivity		CE Pending
Frequency Response ($\pm 10\%$)	120-480,000 CPM	2 Hz-8 kHz	Sealing		Welded
Dynamic Range		$\pm 50\text{g}$, peak	Physical		
Electrical			Sensing Element		PZT Ceramic
Settling Time		<2.5 Seconds	Sensing Structure		Shear Mode
Voltage Source (IEPE)		18-30 VDC	Weight	3.2 oz	90 grams
Constant Current Excitation		2-10 mA	Case Material		316L Stainless Steel
Spectral Noise @ 10 Hz		14 $\mu\text{g}/\sqrt{\text{Hz}}$	Mounting		1/4-28
Spectral Noise @ 100 Hz		2.3 $\mu\text{g}/\sqrt{\text{Hz}}$	Connector		2 Pin MIL-C-5015
Spectral Noise @ 1000 Hz		2 $\mu\text{g}/\sqrt{\text{Hz}}$	Resonant Frequency	1,380,000 CPM	23 kHz
Output Impedance		<100 ohm	Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Bias Output Voltage		10-14 VDC	Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
Case Isolation		>10 ⁸ ohm	Calibration Certificate		CA10
Dielectric Breakdown Voltage		5 kVAC			

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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