

WT202 Series

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



VIBRATION ANALYSIS HARDWARE



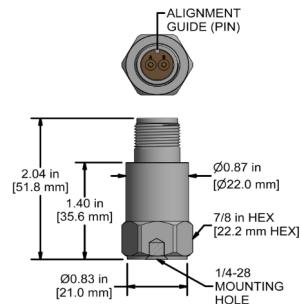
Product Features

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

WT202-1D

2 Pin Connector

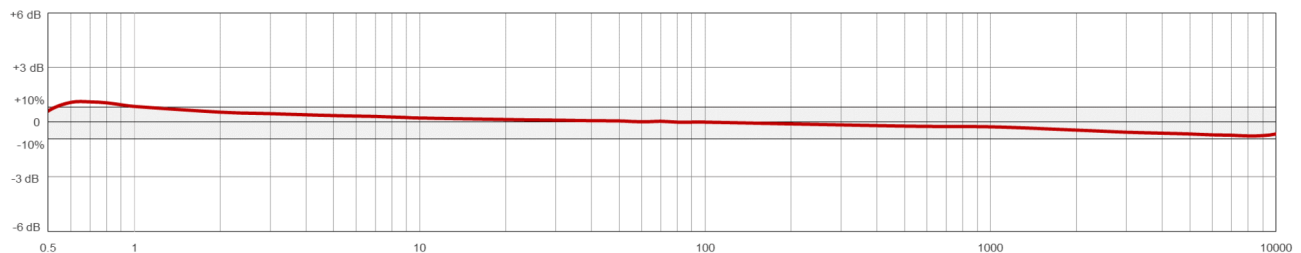
Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common



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 (Non-Integral)	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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