

WT135 Series

Low Frequency Wind Turbine Accelerometer, Top Exit 2 Pin Connector, 500 mV/g, ±15%



VIBRATION ANALYSIS HARDWARE



Product Features

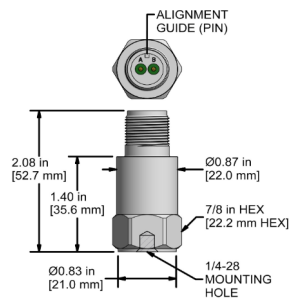
Designed for Low Speed Rotors, Wind Turbine Main Bearings, and Gear Box Inputs

- ▶ 500 mV/g Sensitivity ± 10%
- ▶ 0.1 Hz for Low Frequency Detection
- ▶ 10,000 Hz for High Frequency Detection

WT135-1D

2 Pin Connector

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



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	WT135	M/WT135	Environmental		
Sensitivity (±15%)	500 mV/g		Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±3dB)	6-600,000 CPM	0.1-10000 Hz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	36-180,000 CPM	0.6-3000 Hz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 16 g, peak		Sealing	IP68	
Electrical			Physical		
Settling Time	< 2 Seconds		Sensing Element	PZT Ceramic	
Voltage Source (IEPE)	18-30 VDC		Sensing Structure	Shear Mode	
Constant Current Excitation	2-10 mA		Weight	3.25 oz	92 grams
Spectral Noise @ 10 Hz	1.7 µg/√Hz		Case Material	316L Stainless Steel	
Spectral Noise @ 100 Hz	0.2 µg/√Hz		Mounting	1/4-28	
Spectral Noise @ 1000 Hz	0.12 µg/√Hz		Connector (Non-Integral)	2 Pin MIL-C-5015	
Output Impedance	<100 ohm		Resonant Frequency	1,080,000 CPM	18000 Hz
Bias Output Voltage	10-14 VDC		Mounting Torque	2 to 5 ft. lbs.	2.7 to 6.8 Nm
Case Isolation	>10 ⁹ ohm		Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
			Calibration Certificate	CA10	

Typical Frequency Response

