

WT135 Series

Low Frequency Accelerometer, 500 mV/g, Top Connector



CONNECTION TECHNOLOGY CENTER, INC.
VIBRATION ANALYSIS HARDWARE



Product Features

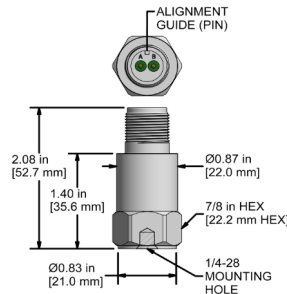
Designed for Low Speed Rotors, Wind Turbine Main Bearings, and Gear Box Inputs

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

WT135-1D

2 Pin Connector

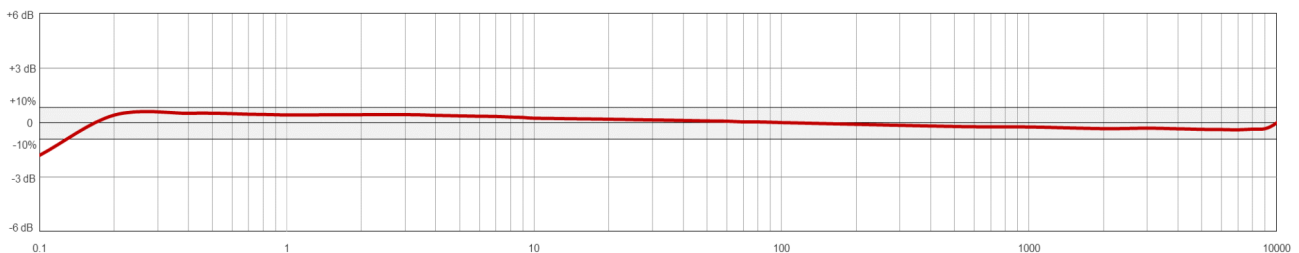
Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	WT135	M/WT135	Environmental		
Sensitivity ($\pm 10\%$)		500 mV/g	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response ($\pm 3\text{dB}$)	6-600,000 CPM	0.1-10000 Hz	Maximum Shock Protection		5,000 g, peak
Frequency Response ($\pm 10\%$)	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 $\mu\text{g}/\sqrt{\text{Hz}}$	Case Material		316L Stainless Steel
Spectral Noise @ 100 Hz		0.2 $\mu\text{g}/\sqrt{\text{Hz}}$	Mounting		1/4-28
Spectral Noise @ 1000 Hz		0.12 $\mu\text{g}/\sqrt{\text{Hz}}$	Connector		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 ⁸ ohm	Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
			Calibration Certificate		CA10

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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