

WT136 Series

Low Frequency Wind Turbine Accelerometer, Side Exit 2 Pin Connector, 500 mV/g, ±10%



VIBRATION ANALYSIS HARDWARE



Product Features

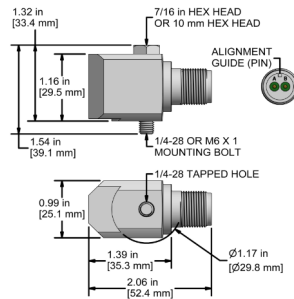
Designed for Low Speed Rotors, Wind Turbine Main Bearings and Gear Box Inputs

- ▶ 500 mV/g Sensitivity ± 10%
- ▶ 0.1 Hz for Low Frequency Measurements
- ▶ 8,000 Hz for High Frequency Detection

WT136-1D

2 Pin Connector

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



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	WT136	M/WT136	Environmental		
Sensitivity (±10%)		500 mV/g	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±3dB)	6-480,000 CPM	0.1-8000 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	5.7 oz	160 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 ⁸ ohm		Mounting Hardware	1/4-28 Captive Bolt	M6x1 Captive Bolt
			Calibration Certificate		CA10

Typical Frequency Response

