Technical Specifications

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Ultrasonic Anemometer

Fast-response wind measurement.

Introduction

The Ultrasonic Anemometer is a 3-axis, no-moving-parts wind sensor. It is ideal for applications requiring fast response, high resolution and three-dimensional wind measurement. Wind and sonic temperature data is available on four-voltage output channels.

Key features

- Measures wind velocity based on the transit time of ultrasonic signals sent between the transducers.
- Operating parameters may be edited using ordinary terminal software on a PC.
- Superior environmental resistance is achieved by using UV stabilized thermoplastic, stainless steel, and anodized aluminum components.
- The unit mounts on a standard 1-inch pipe.

Key Benefits

- Reliable measurement and accurate data to guide decision making.
- High resistance to extreme weather conditions.

Technical Specifications	
Wind Speed	Range: 0 to 40 m/s (0 to 90 mph)
Wind Direction	Azimuth Range: 0.0 to 359.9 degrees
Speed of Sound	Range: 300 to 360 m/s
Sonic Temperature	Range: -50 to +50 °C
General	Power Supply: 12 to 24 VDC, 110 mA Dimensions: Overall height 56 cm Support arm radius 17 cm Weight: Sensor weight 1.7 kg (3.8 lb)