PRODUCT OVERVIEW

Ultrasonic anemometer

Model ES-W3032FS

Main features

- Maintenance-free, long service life
- No moving parts, zero wear
- Layered protective structure ensures airflow
- Compact size and lightweight
- 0-60m/s range, IP65 protection level

Compliance

CE certification of EU
The electromagnetic compatibility in accordance with the following applicable directives:
LVD 2014/35/EU Low Voltage
EMC 2014/30/EU Electromagnetic Compatibility
EMC 2014/35/EU Electromagnetic Compatibility

Introduction

ES-W3032FS ultrasonic anemometer is a measuring instrument that uses the time difference of ultrasonic wave propagation in the air to measure wind speed and direction. Compared with the traditional mechanical wind speed and direction indicator, it has the characteristics of small wear, long service life and fast corresponding speed. It can be widely used in urban environmental monitoring, wind power generation, meteorological monitoring, bridges and tunnels, navigation ships, aviation airports and other fields. No maintenance and field calibration required.

Application

It is widely used for Meteorological station, farmland meteorological detection, tower crane wind speed monitoring, etc.

Dimension

Unit:mm

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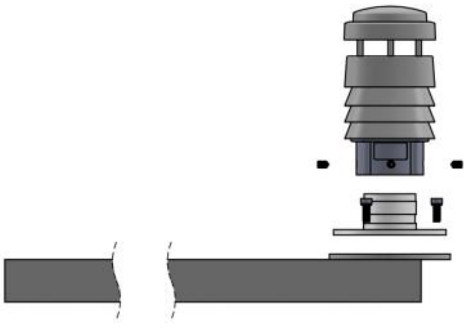
Specification

ITEMS	Sampling frequency	Range	Accuracy	Resolution
Wind speed	4Hz	0-60m /s	±（0.5+0.05V）M/S	0.01m/s
Wind direction	4Hz	0-359.9 °	± 5 ° (@10 m/s)	0.1°
Digital output	Default RS485 interface, ModbusRTU; Customizable RS232, SDI-12,UART			
Power supply	Default VDC: 5V-24V (Recommend 12VDC)			
IP protection	IP65			
Working temperature	-20℃ - +60℃			
Max. output frequency	Passive mode: 1 time/second; Active mode: 1 time/minute			
Fixing method	Sleeve type (standard); flange type, bent plate type (optional)			
Cable	Default 3m cable (other length optional)			
Optional protocols	NMEA, ASCII (compatible with Vaisala), CAN (ASCII)			

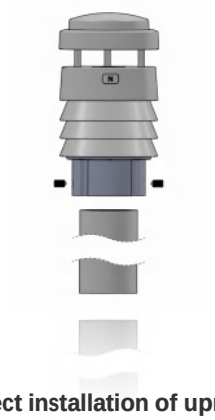
Order guide

Name	Mini Ultrasonic Anemometer		
WS3032FS	CODE	material	
	A	ABS	
		CODE	Signal output
		1	RS485
		2	RS232
		3	SDI-12
		4	UART

Installation example



- **Flange installation**



- **Direct installation of uprights**

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