

WS3032FS Mini ultrasonic wind speed & direction sensor



MAIN FEATURES

- Maintenance-free, long service life
- Miniaturization
- Output 485, Modbus
- Low power consumption
- Modular, no moving parts
- Low cost



OVERVIEW

WS3032FS 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.

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°C - +60°C			
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 CODE

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

DIMENSION

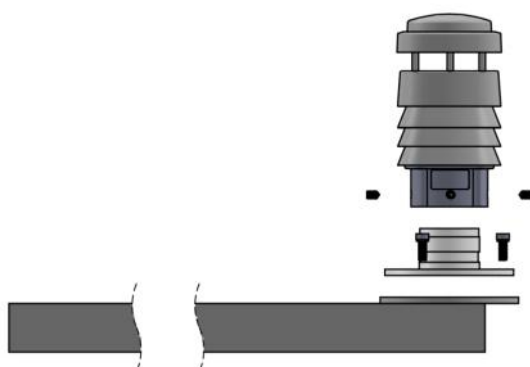


UNIT:MM

INSTALLATION

• Flange installation

1. Align the optional flange with the mounting holes on the crossarm and secure it with M6 screws.
2. Place the main unit on the flange and adjust its orientation so that the north indicator on the machine body points to true north.
3. Evenly tighten the three fixing screws on the mounting base to ensure the equipment is level and stable.



• Direct installation of uprights

1. Insert the main unit of the equipment onto the upright pole and adjust its orientation so that the north marker points due north.
2. Evenly tighten the three fixing screws on the mounting base to ensure the equipment is stable and does not wobble.
3. Confirm that the entire equipment is level.

