

WS3032F 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

WS3032F 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.

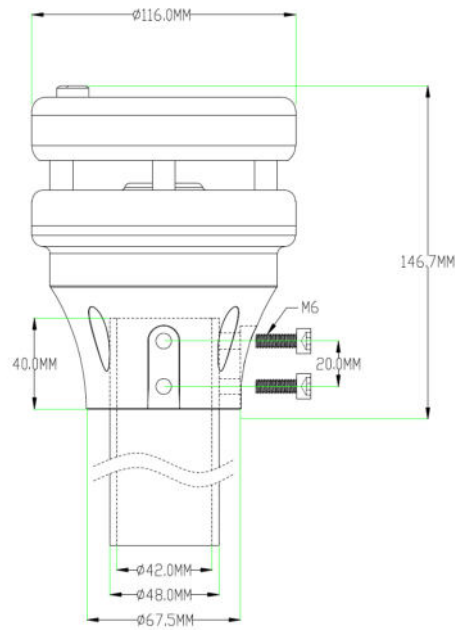
SPECIFICATION

ITEMS	Sampling frequency	Range	Accuracy	Resolution
Wind speed	10Hz	0-40m /s	± (0.5+0.05V) M/S	0.01m/s
Wind direction	10Hz	0-359.9 °	± 5 ° (wind speed < 10M/S)	0.1°
Digital output	The standard product is RS485 interface, ModbusRTU; Customizable SDI-12			
Power supply	VDC: 9V-24V			
IP protection	IP65			
Working temperature	-30°C - +70°C			
Maximum output frequency	Passive mode: 1/S Active mode: 1/min			
Fixing method	Default fixed by sleeve (Flange fixing or bending plate fixing optional)			
Fixing bracket	None for standard products, 1.5m and 1.8m brackets are optional			
Cable	Default 3m cable (other length optional)			
Remark	Wind speed and direction: measure the wind speed and direction through ultrasonic principle, and output instantaneous wind speed, instantaneous wind direction, average wind speed, average wind direction and other data.			

ORDER CODE

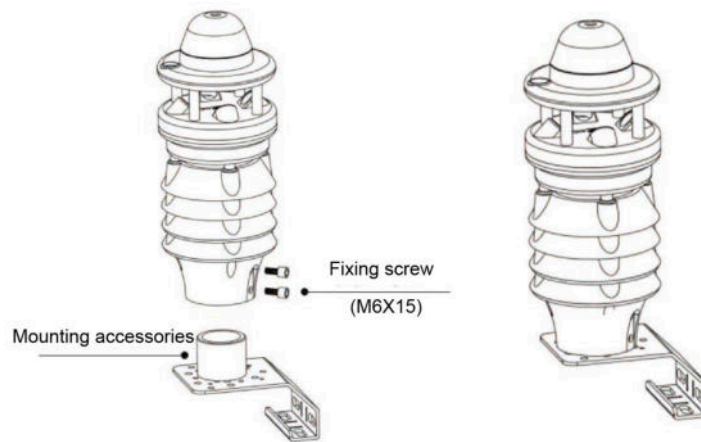
Name	Mini Ultrasonic Anemometer		
WS3032F	CODE	material	
	A	ABS	
	CODE	Signal output	
	1	RS485	
	2	SDI-12	

DIMENSION



INSTALLATION

- *Fixing method of bending plate:*



- *Fixing method of flange plate:*

