JNC

Ultrasonic Wind Speed and Direction Sensor

UW485

[Features]

- Ultrasonic measuring principle with no moving parts, minimising wear
- High-accuracy wind speed and direction with fast, stable response
- Real-time monitoring and data transmission, easy to integrate
- High reliability for demanding outdoor environments
- RS-485 interface with standard Modbus RTU; no data conversion needed
- Compact and lightweight, simple to install, long service life
- 100 ms sampling interval (10 readings/second) for fast wind response

[Applications] Construction sites, weather monitoring, agriculture, smart cities

[Optional Code] UW485-Code 1-Code 2

Code 1	Range	Code 2	Cable Length
45	0~45m/s	N	3 m
		C	3 m + connector
70	0~70m/s	Value N	Cable Length
		Value C	Cable Length + connector

[Specifications]

Code 1	45 m/s		70 m/s	
Power Supply	9~30V			
Consumption	≦0.12W			
Communication	RS485 Modbus			
Principle	Ultrasonic			
	Speed	Direction	Speed	Direction
Range	0~45m/s	0~360°	0~70m/s	0~360°
Resolution	0.01m/s	1°	0.01m/s	1°
Accuracy	Start-up ≦ 0.3m/s ±0.3m/s	±3°	Start-up ≦0.3m/s ±0.3m/s	±3°
Protection	IP65			
Product Size	Ø80*100 mm		Ø140*158 mm	
Weight	380g		500g	

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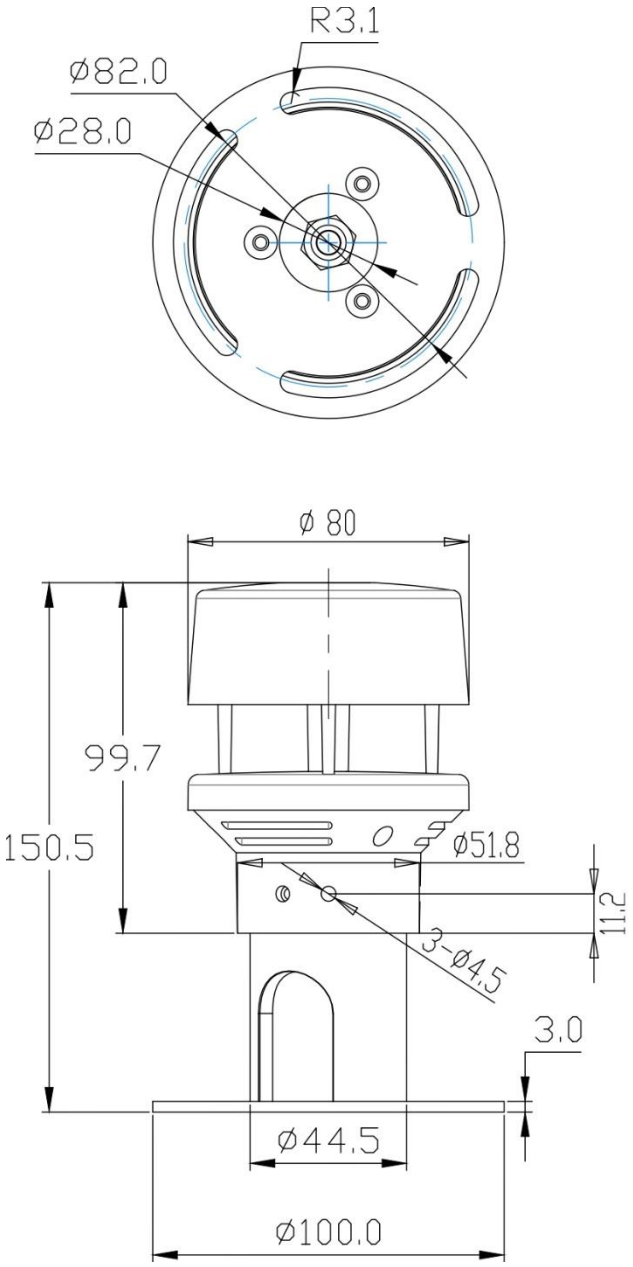
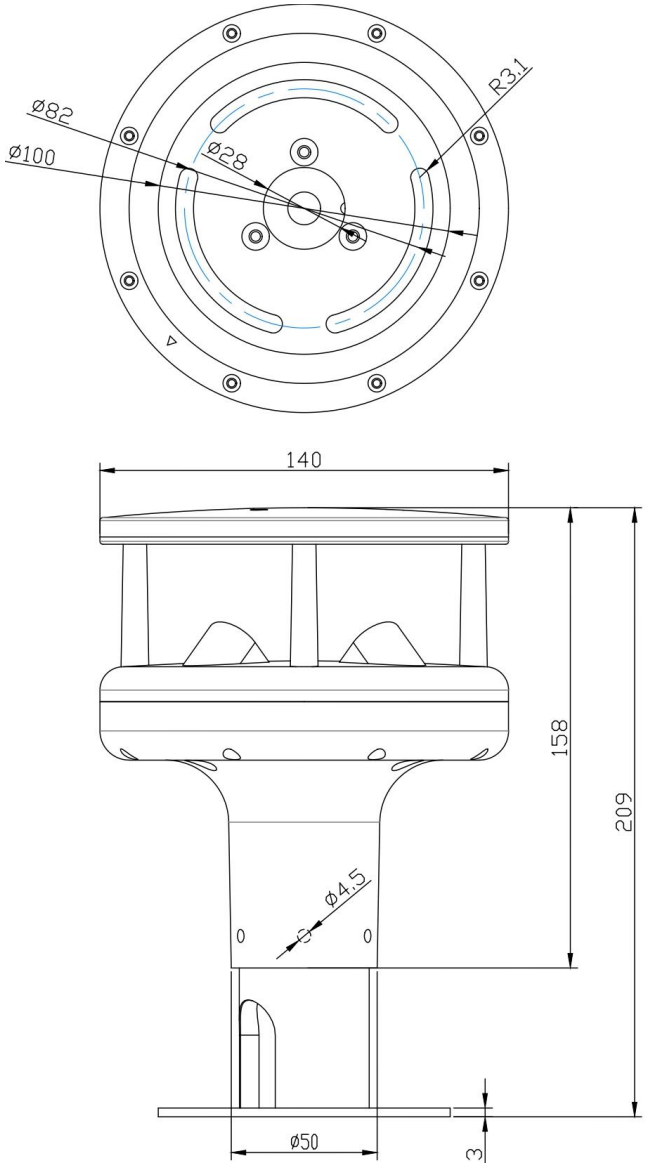
[Dimensions] Unit:mm

Code 1: 45



Code 1: 70



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