QS-FS Windspeed Sensor

Description:

QS-FS Wind speed Sensor is specifically designed to accurately and reliably measure wind velocity under the adverse environmental conditions. Build-in Digital circuits are capable of strong RFI & EMI resistance and automatic temperature compensation. Voltage and current signals output by electromagnetic induction, generate a linear relation between acquired values and horizontal wind speed .The sensor mainly includes high-strength aluminum-alloy housing shell, 304SS wind cup, PCB board painted with anti-corrosion coating, and features water proof and corrosion resistance. The sealing rings are used to wrap the rotating part, with the excellent sealing function of water proof, salt fog and dust immersing. WS04 Wind speed sensor has good performance in harsh environment.

Features:

- Compact size for easy installation
- High accuracy and good stability
- Low starting threshold
- Corrosion resistant
- Overall carbon fiber material
- Various output signal optional

Specifications

Output signal	Pulses(5V)	4-20mA	0-5V/1-5V	RS485
Supply Voltage	5-24VDC	12-24VDC	7-24VDC	7-24VDC
Load Capacity		≦200Ω		
Range	0-60m/s	0-32.4m/s	0-32.4m/s	0-32.4m/s
Accuracy	±(0.3+0.03V)m/s; (V is the current wind speed)			
Starting Threshold	≦0.8m/s			
Ingress Protection	IP55			
Operating Temperature	-40℃~ +50℃			
Cable Grade	Nominal voltage:300V ,Temperature grade:80℃			
Weight(unpacked)	240g			
Main material	Cup:304stainless steel, Main Body:Aluminum alloy			
Storage Condition	10℃-60℃@20%-90%RH			
Wind load	60m/s			

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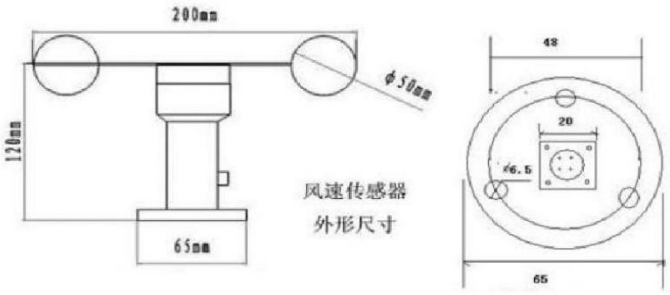
Dimension&Mounting:

Flange mounted, fix four screws on the bracket and keep the product in horizontal



Electronic connection

For Pulse, current and voltage type:

Description	Wire		
Power	red		Brown
Earth	blue		Black
Signal	yellow		Blue

For 485 type:

Description	Wire
Power	Brown
485-A	Blue
485-B	Gray
Earth	Black

Application:

- Weather monitoring stations
- Safety monitoring of high altitude equipment
- Ports and Marine vessels
- Solar and wind power generation
- Mobile weather monitoring vehicles
- Airports & helipads
- Road & rail tunnels