SEN201-2001 Wind Direction Sensor

Product description

The wind direction sensor is a high-reliability, high-performance wind direction sensor. This series of sensors can stably and accurately collect environmental wind direction signals, and is suitable for high-altitude operations, construction machinery, port machinery and other occasions.

The wind direction sensor has a built-in digital circuit with strong anti-RF, anti-electromagnetic interference and lightning surge protection. The wind direction sensor circuit collects the azimuth signal of the wind direction rod and outputs an electrical signal that is linearly related to the environmental wind direction.

The main structural parts of the wind direction sensor are made of alloy materials and surface treated. The product has good waterproof and corrosion resistance. The internal and rotating parts are sealed, which can effectively prevent the intrusion of water, salt spray and dust.



Features

- Developed based on the principle of non-contact magnetic sensing measurement.
- Built-in high-performance sensor, the collected data is high-precision and reliable.
- The wind direction sensor adopts a full metal shell, which is corrosion-resistant and wind-resistant.
- The wind vane is made of stainless steel and can be used under harsh conditions.
- The circuit protection adopts a fault-tolerant design, and the sensor will not be damaged in the case of wrong wiring.
- Comply with CE EMC standards, multi-level lightning protection and surge protection design.
- Can work in a wide voltage range of 15-30V DC.

Applicable scene

- It is suitable for wind speed monitoring in factories, power plants, ports, mines, wind turbines, large-scale machinery and equipment, etc.

Performance

Operating voltage	15-30V DC	Measuring range	0~360°
Start wind speed	≤0.5m/s	Wind resistance	＞70m/s 30min
Accuracy	±3°	Protection level	IP65
Operating temperature	-20°C~+85°C	Electrostatic protection	15KV
Working humidity	0%~95% (no condensation)	Output signal	4~20mA,0~5VDC,0~10VDC, RS485 (Modbus RTU)
The main material	Aluminum alloy/polyester coating		

Note: The specific electrical performance and wiring definition shall be subject to the actual product.

Dimensions

