

Cup direction speed sensor

Model ES-W300H



Main features

- Aerospace-grade materials
- High durability and corrosion resistance
- Imported bearings
- High precision and high rotational speed
- IP66 waterproof rating
- Tower-style structural design; dustproof and sealed
- High-quality shielded cabling with superior interference resistance
- Electronically regulated heating to optimize energy consumption
- Extended operating temperature range

Compliance

The electromagnetic compatibility in accordance with the following applicable directives:

LVD 2014/35/EU Low Voltage
 EMC 2014/30/EU
 Electromagnetic Compatibility
 EMC 2014/35/EU
 Electromagnetic Compatibility

Introduction

ES-W300H wind direction sensor measures the current wind direction and converts it into a non-contact linear signal. The sensor can withstand wind and rain. After installing an automatic control heating device, it can be used at temperatures as low as -40°C . Evaluate using measuring equipment, display instruments, or connected control and monitoring systems.

Working principle:

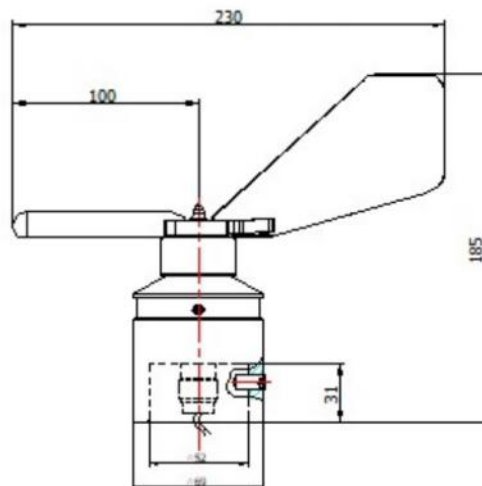
When the wind blows towards the tail wing of the wind vane, the arrow of the wind vane will point in the direction of the wind blowing. Simultaneously driving the coaxial magnetic induction device to rotate, obtaining the directional angle signal of the actual wind direction through the circuit, and using this signal to distinguish the actual wind direction.

Application

It is widely used in the fields of construction machinery (cranes, crawler cranes, gantry cranes, tower cranes, etc.), as well as wind speed measurement in fields such as railways, ports, docks, power plants, meteorology, cableways, environment, aquaculture, air conditioning, energy-saving monitoring, agriculture, etc.

Dimension

Unit:mm



Bottom view aviation plug (male)

Specification

Measurement Principle	Non-contact, magnetic scanning system
Power supply	DC12-24V
Measurement Range	0-360°
Accuracy	±1°
Resolution	<1°
Power consumption	10mA
Signal output	RS485
Starting Wind Speed	<0.5m/s
Protection Rating	IP65
Material	Full body aerospace aluminum + three-proof paint
Corrosion resistance	Anti seawater corrosion alloy
Surge Protection	Yes

Order guide

ES-W300H	Wind vane direction sensor		
	CODE	Material	
	Y	With heating function	
	N	Without heating function	
		CODE	Signal output
		1	4~20mA
		2	0-10V
		3	0-5V
		4	RS485
		5	Lora
		6	4G
		7	WIFI
ES-W300H	N	1	Order example