



AIT-FST202 Wind Direction Sensor

Why Choose AIT-FST202

- The FST200-200 series is a highly reliable, high-performance wind direction sensor. It can accurately and consistently collect environmental wind direction signals, making it suitable for applications such as high-altitude operations, engineering machinery, and port machinery.
- The FST200-200 series wind direction sensor incorporates internal digital circuits with strong resistance to radio frequency interference, electromagnetic interference, and lightning surges. The circuit collects the directional signal from the wind vane and outputs an electrical signal that is linearly related to the environmental wind direction.
- The main structural components of the FST200-200 series wind direction sensor are made from alloy materials with a surface treatment. The product has excellent waterproof and corrosion-resistant capabilities. All internal and rotating parts are designed with seals to effectively prevent the intrusion of water, salt spray, and sand.

AIT-FST202



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AIT- FST202 Wind Direction Sensor Datasheet

Standards Compliance	CE/EMC
Electrical Parameters	
Operating Voltage	15-30VDC
Operating Current	100mA Max
Wiring Terminals	Aviation-Grade Waterproof Connector
Connector Plug	Four-Pin Connector
Mechanical Structure Parameters	
Color	Anodized black finish
Housing Material	Aluminum Alloy/Polyester Coating
Wind cup material	Corrosion-resistant stainless steel housing
Weight	0.8kg
Operating Temperature	-20℃~+85℃
Operating Humidity	0%~95%(Non-condensing)
Vibration Tolerance	5-10Hz,d=3mm 10-500Hz,a=2g
Ingress Protection (IP) Rating	IP65
Salt Spray Resistance	ISO9227 720h
Mechanical Structure	Optical grating mechanical structure.
Meteorological Parameters	
Starting Threshold	≥0.5m/s
Survival Wind Speed	>70m/s 30min
Electrosatic discharge (ESD) protection.	15KV
Accuracy	±3°
Measurement Range	0~360°
Output Signal	4~20mA,0~5VDC,0~10VDC,Pulse Input,RS485(Modbus)
Transmission Mode	MODBUS Protocol

