



FST201 Wind Combined Sensor

Why Choose AIT-FST201

- Developed based on the principle of non-contact magnetic sensor measurement;
- Built-in high-performance sensor, the collected data has high precision and high reliability;
- The wind speed measurement range is wide, and the starting wind speed is low;
- The wind speed sensor adopts an all-metal shell, which has good corrosion resistance and strong wind resistance;
- The wind cup is made of stainless steel, which 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 standard, multi-level lightning protection and anti-surge design;
- It can work in a wide voltage range of 15-30VDC.

AIT-FST201



Product advantages

- **Multiple signal output methods**
- **Cleverly constructed**
- **User-friendly installation**
- **Requires no maintenance**

Guangdong Zeyang Intelligent Technology Co.,Ltd

**④ 7F01, Chuangyan Headquarters,
Zone B, Haobang Shou Smart Park,
Sanshui District, Foshan City,
Guangdong Province**

① +86 17340557898

⑤ sales@zeyang-ai.com

⑥ www.zeyang-ai.com

AIT-FST201 Wind Combined Sensor Datasheet

Conforms to Certification	CE/EMC
Electrical Parameters	
Operating Voltage	15-30VDC, 5V/24V (pulse)
Operating Current	100mA Max
Entry cable	Aviation connector
Attachment plug	4-core connector
Mechanical	
Colour	Cationic Oxidized Black
Main Material	Aluminum alloy/polyester coating
Anemometer Cup Material	Aluminum alloy/polyester coating
Parameter Weight	0.8kg
Operating Temperature	-40°C~+85°C
Operating Humidity	0%~95% (RH)
Vibration Resistance Level	5-10Hz,d=3mm 10-500Hz,a=2g
Ingress Protection (IP) rating	IP65
Smoke Level	ISO9227 720h
Mechanical Structure	Grating mechanical structure
Meteorological	
Starting Threshold	≥0.5m/s
Anti-wind Level	>70m/s 30min
Static Protection	15KV
Accuracy	±0.5m/s (<5m/s); ±3%FS (≥5m/s)
Wind Speed Measurement Range	0~30m/s / 0~50 m/s
Output Signal	4~20mA, 0~5VDC, 0~10VDC, pulse, RS485 (Modbus)
Transmission Mode	MODBUS protection

