



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

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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℃~+85℃

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

