

New Arrival Wall-mounted Temperature Humidity Sensor SA-2001G



Product Features:

High measurement accuracy; built-in high-performance microprocessor; multiple probe options; integrated use of temperature and humidity; superior performance and long-term stability.

Application range:

Widely used in building automation; indoor environment temperature and humidity monitoring.

Product Description

SA-2001G **Wall-mounted temperature and humidity sensor** is a professional measurement of air temperature and relative humidity. FST100-2001G temperature and humidity sensor is a high-performance wall-mounted temperature and humidity sensor; it has a high protection level (protection level IP65), is rain and snowproof and has good air permeability; it uses imported measurement chips and has high measurement accuracy. And it can be combined with host computer software and Internet of Things technology to effectively perform statistical analysis on temperature and humidity data.

Technical Parameters

DC power supply (default)	DC 9-30V	
Maximum power consumption	0.4W (DC24V)	
A Accuracy	humidity	±2%RH(60%RH,25°C)
	temperature	±0.4°C (25°C)
B Accuracy (default)	humidity	±3%RH(60%RH,25°C)
	temperature	±0.5°C (25°C)
Sensor circuit working temperature and humidity	-30°C~+80°C, 0%RH~95%RH (non-condensation)	
Probe operating temperature (external model)	-40°C~+120°C Default: -40°C~+80°C	
Probe working humidity (external model)	0%RH-100%RH	
Temperature display resolution	0.1°C	
Humidity display resolution	0.1%RH	
Temperature and humidity refresh time	1s	
long term stability	Humidity	≤1%RH/y
	Temperature	≤0.1°C/y

Response time	Humidity	≤8s(1m/s wind speed)
	Temperature	≤25s(1m/s wind speed)
Output signal	RS485 (Modbus protocol)	
Installation method	wall-mounted	

Detailed description

1. Wide voltage input: 9-30V;
2. Support temperature and humidity collection: using imported high-precision temperature and humidity sensors;
3. Using a dedicated RS485 circuit, the communication is stable;
4. The RS485 end supports the standard Modbus RTU protocol;
5. Supports multiple function codes: 0x01, 0x02, 0x03, 0x04, 0x05, 0x06, 0x0F, 0x10;
6. The power supply has good overcurrent, overvoltage, and anti-reverse protection functions.