

Temperature and Humidity Sensor

Product model: FST100-2001

FST100-2001 temperature and humidity sensor adopts wall-mounted installation, built-in imported digital temperature and humidity sensor components, through industrial-grade microprocessor and digital-to-analog conversion processing, to ensure that the product output has excellent reliability, high precision and good interchangeability. It is widely used in building automation, climate and HVAC signal acquisition, greenhouses, and pharmaceutical and chemical industries.

Features

- ✓ High measurement accuracy
- ✓ Built-in high-performance microprocessor
- ✓ A variety of probes are available
- ✓ Integrated use of temperature and humidity
- ✓ Superior performance, good long-term stability



Scope of application

- ◇ Widely used in building automation
- ◇ Agricultural greenhouses, flower cultivation, etc.
- ◇ Greenhouses and pharmaceutical and chemical industries, etc.

Technical Parameters

Probe temperature	-40~+80℃		Probe to measure humidity	Relative humidity 0%~100%RH
Signal output	4~20mA/0~5VDC/0~10VDC	RS485 output (Modbus protocol)		
Operating Voltage	10~30VDC Note: 0~10VDC output (limited to 24VDC power supply)			
Maximum power consumption	Analog signal (voltage/current 1.2W MAX.)		Digital signal ≤0.4W	
Precision	Temperature: ±0.5℃(25℃)		Humidity: ±3%RH (5%RH~95%RH, 25℃)	
Long-term stability	Temperature: ≤0.1℃/year		Humidity: ≤0.1%RH/year	
Response time	Temperature: ≤18/sec (1m/s wind speed)		Humidity: ≤6 seconds (1m/s wind speed)	
Sensor body working temperature	-40~80℃, 0%RH~100%RH			
Digital output	Device address	1~255 can be set, the default is 1		
	Device baud rate	4800, 9600, 19200, 38400, 57600, 115200 optional, default 9600		
	Byte format	8 data bits, 1 stop bit, no parity		
Electrical connections	Direct out			

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Product size and wiring method

