sonbus SM7300M bus type bracket temperature sensing User Manual

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              sensing User Manual
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SM7300M

User Manual

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www.sonbus.com

SM7300M using the standard ,easy access to PLC DCS and other instruments or systems for monitoring humidity state quantities. The internal use of high-precision sensing core and related devices to ensure high reliability and excellent long-term stability, can be customized RS232,RS485,CAN,4-20mA,DC0~5V\10V,ZIGBEE,Lora,WIFI,GPRS and other output methods.
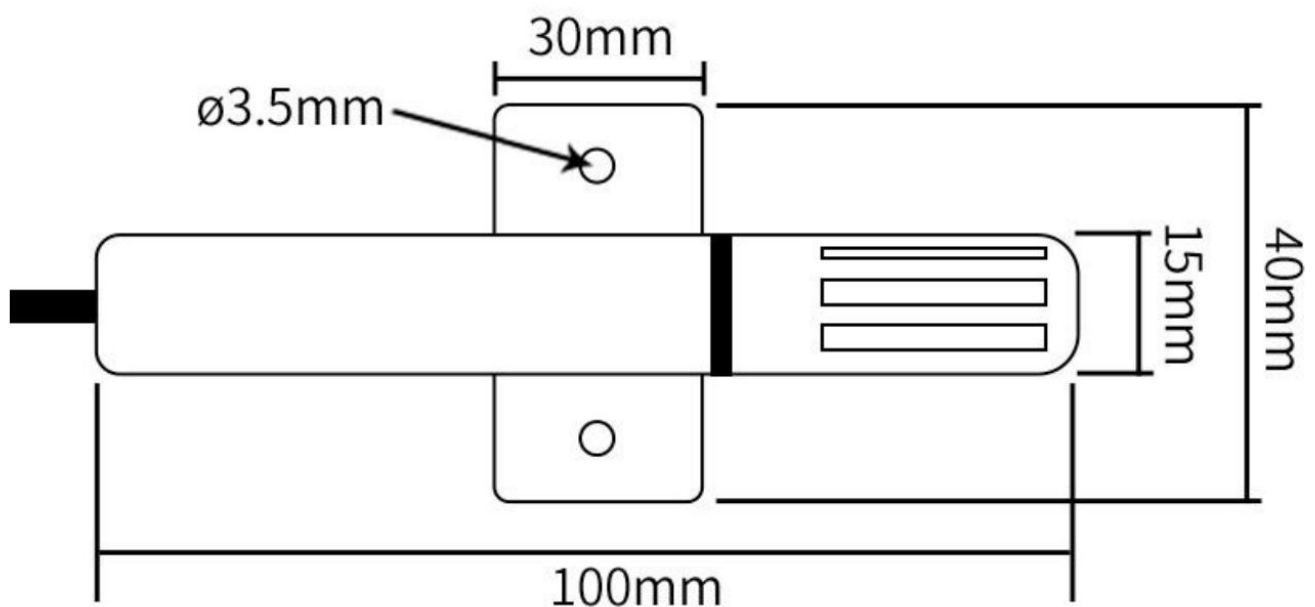
Contents

Technical Parameters

Technical parameter	Parameter value
Brand	SONBEST
Humidity measuring range	0~100%RH
Humidity accuracy	±3%RH @25℃
Communication Interface	Two-wire DC4~20mA
Power	DC12~24V 1A
Running temperature	-40~80°C
Working humidity	5%RH~90%RH

Product Size

How to wiring?

Stainless
steel filter

High-quality probe

Wire

Mounting holes

Waterproof terminal

Standard 1M wire
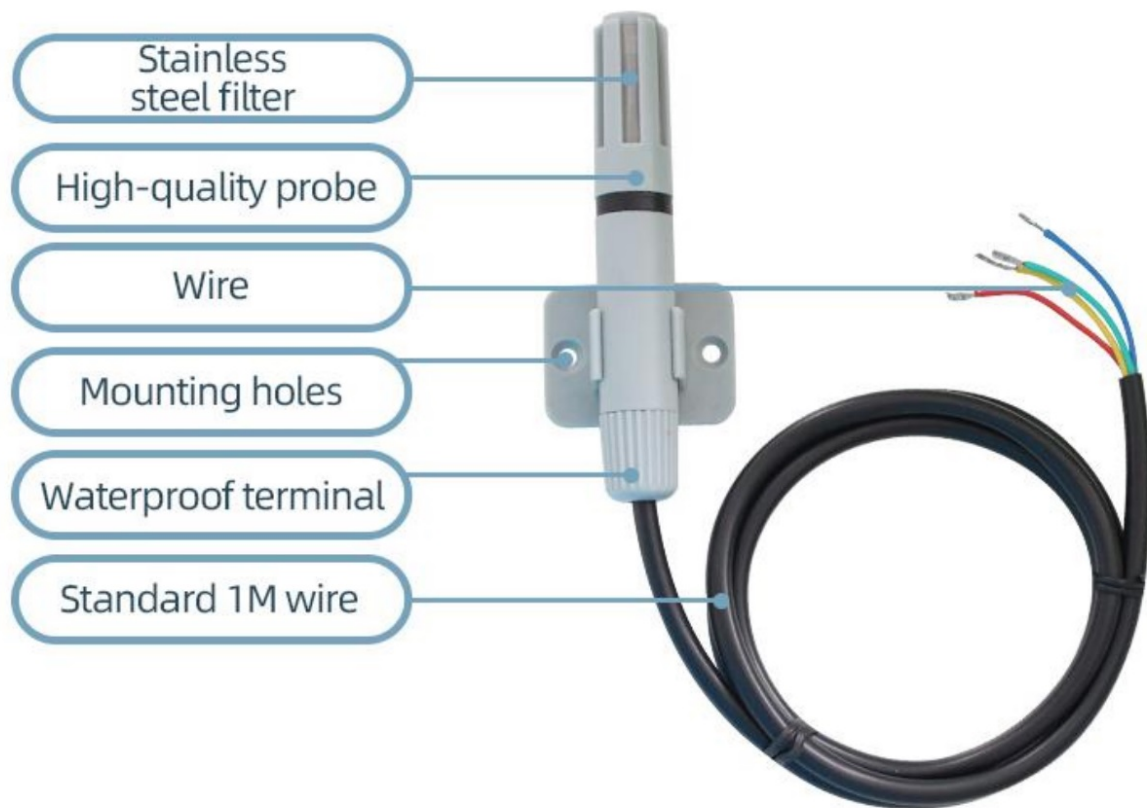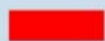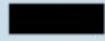
RS485 Wire

🟥	RD	PWR+
🟩	GN	PWR-
🟨	YE	RS485 A+
🟦	BU	RS485 B-
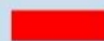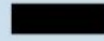
Current-type two-wire wire

🟥	RD	PWR+
⬛	BK	PWR-
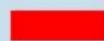
Current-type three-wire wire

🟥	RD	PWR+
⬛	BK	PWR-
🟦	BU	I OUT

Voltage T wire

🟥	RD	PWR+
⬛	BK	PWR-
🟦	BU	V OUT

Voltage T&H wiring

🟥	RD	PWR+
🟩	GN	PWR-
🟨	YE	H OUT
🟦	BU	T OUT

※Note: When wiring, first connect the positive and negative poles of the power supply, and then connect the signal line

Application solution

■ RS485 Wiring

RS485 Converter

Wiring

Data transmission

Computer side
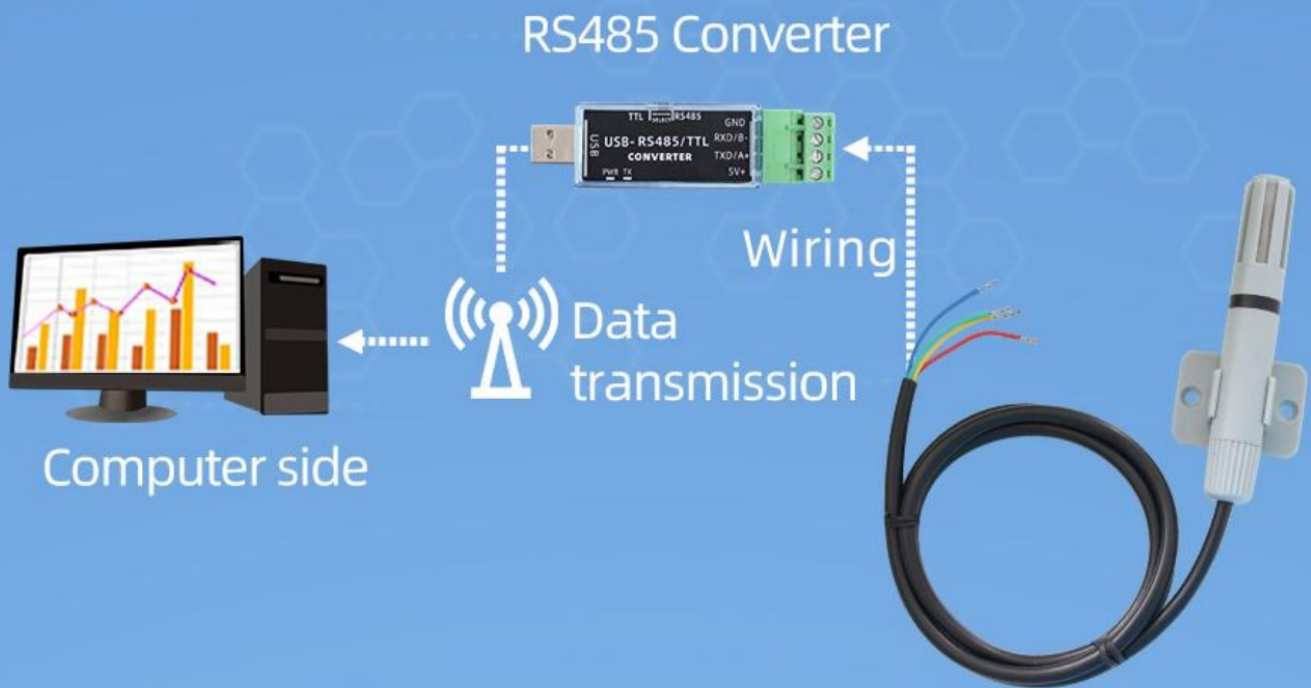
■ Current two-wire wiring

PWR DC12~24V

RD:PWR+

BK:PWR-
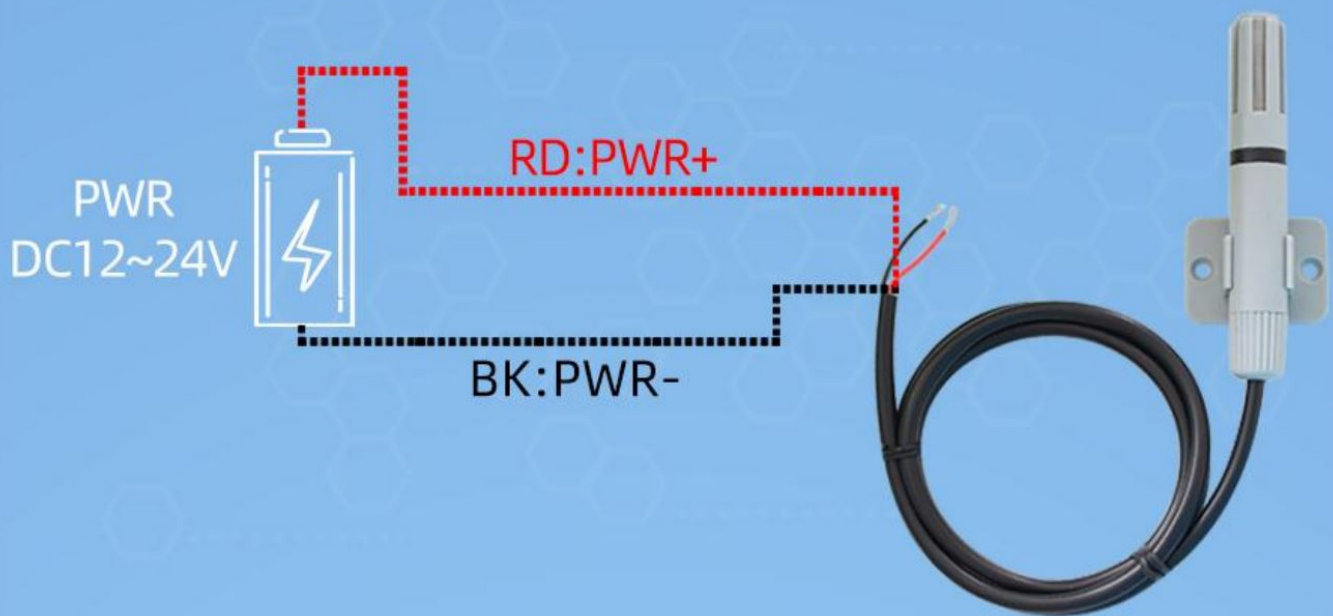
■ Current three-wire wiring

RD:PWR+

PWR
DC12~24V

Ammeter

BU:I OUT

BK:PWR-

■ Voltage wiring

RD:PWR+

电源
DC12~24V

Voltmeter

BU:V OUT

BK:PWR-

Voltage T&H wiring

RD: PWR+

Voltmeter

BU:T OUT

YE:H OUT

GN: PWR−

PWR
DC12-24V
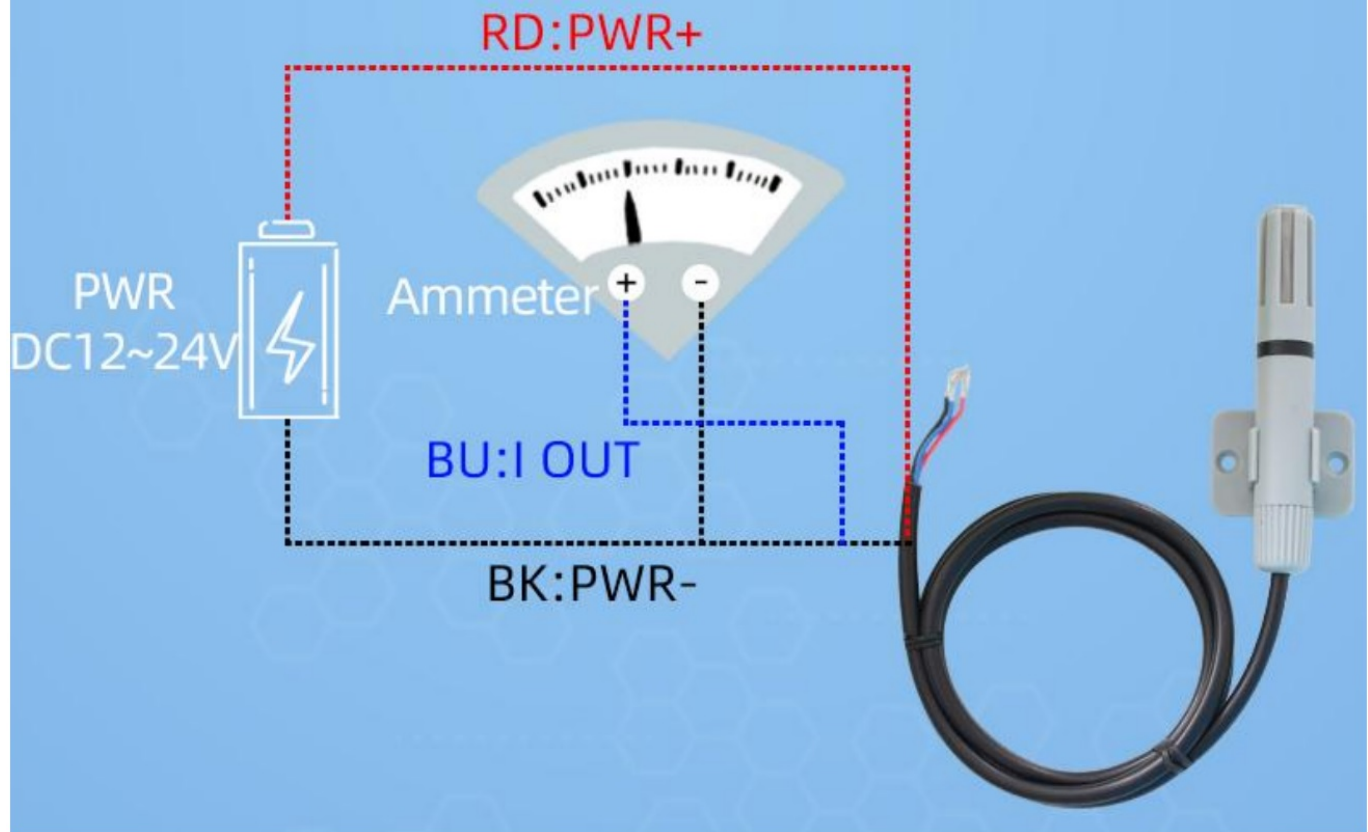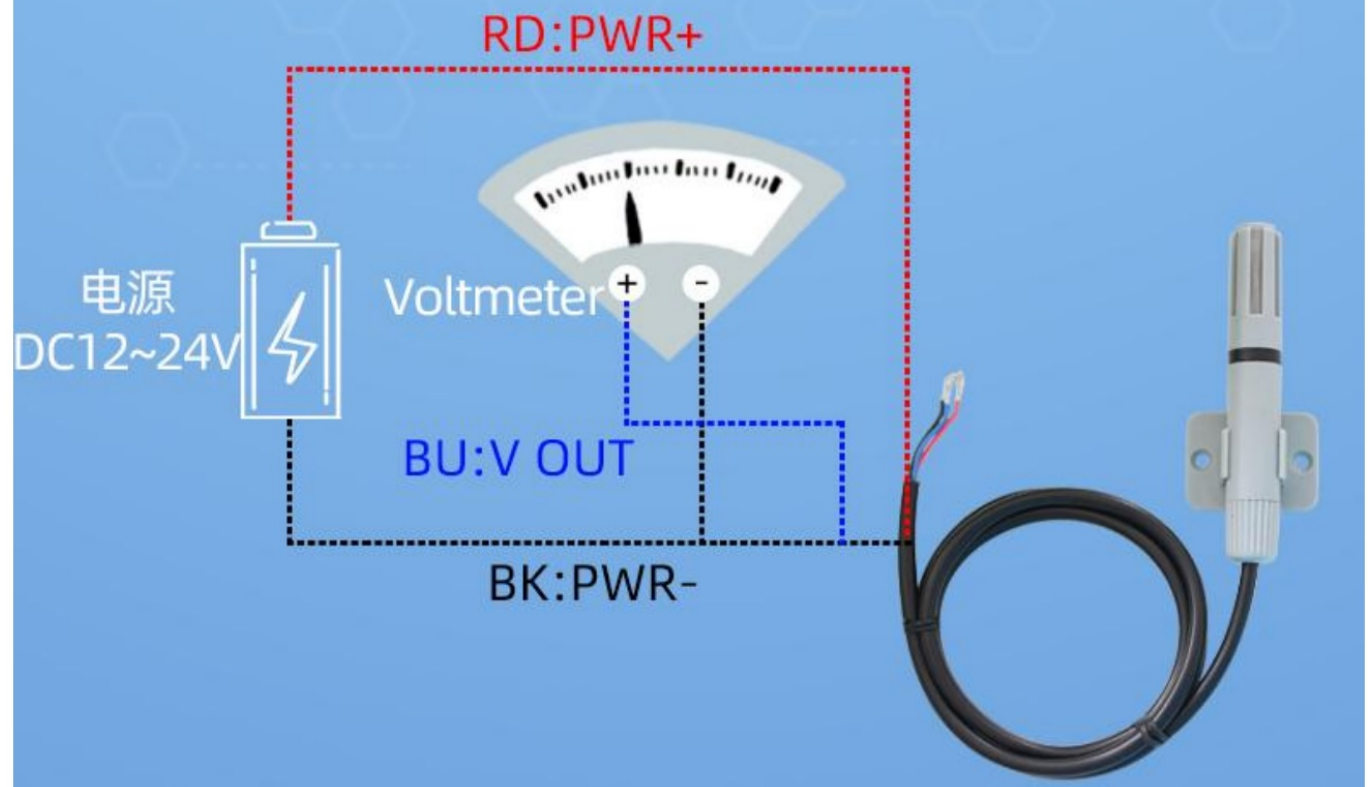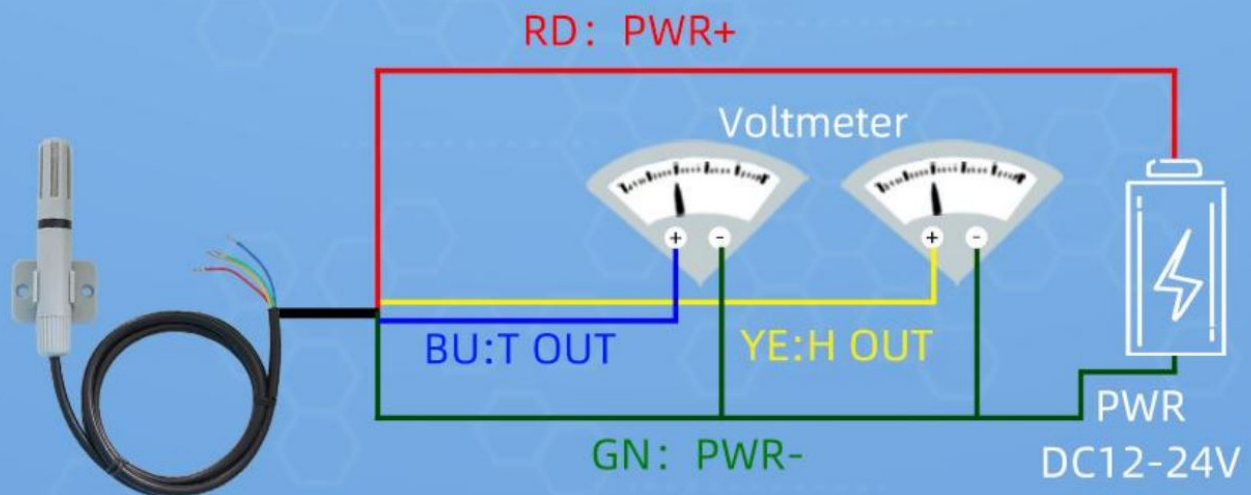
How to use?

Food storage

Temperature and humidity are very important for food storage. Changes in temperature and humidity will bring about food spoilage and cause food safety problems. Monitoring of temperature and humidity is beneficial to the timely control of relevant personnel

Greenhouse

Cooperate with sensors to effectively manage, create a good lighting environment for crops, and promote better photosynthesis

Tobacco industry

Tobacco raw materials need to be controlled in temperature and humidity during fermentation.Temperature and humidity sensors can be used to monitor the temperature and humidity when the site environment is convenient.In a complex environment,the temperature and humidity sensors such as RS485 can be used to detect and control tobacco The temperature and humidity of the package can avoid insect pests.If not handled properly,it will cause a large amount of loss of raw materials

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Documents / Resources

	sonbus SM7300M bus type bracket temperature sensing [pdf] User Manual SM7300M bus type bracket temperature sensing, bus type bracket temperature sensing, bracket temperature sensing, temperature sensing, RS485

References

- ⊕ **Home-ä¸Šæµ·æœåšå®žä¸šæœ‰é™å…¬å¸**
- ⊕ **Home-SONBEST -SONBUS.COM| THE SENSOR COMPANY**
- ⊕ **Home-SONBEST -SONBUS.COM| THE SENSOR COMPANY**