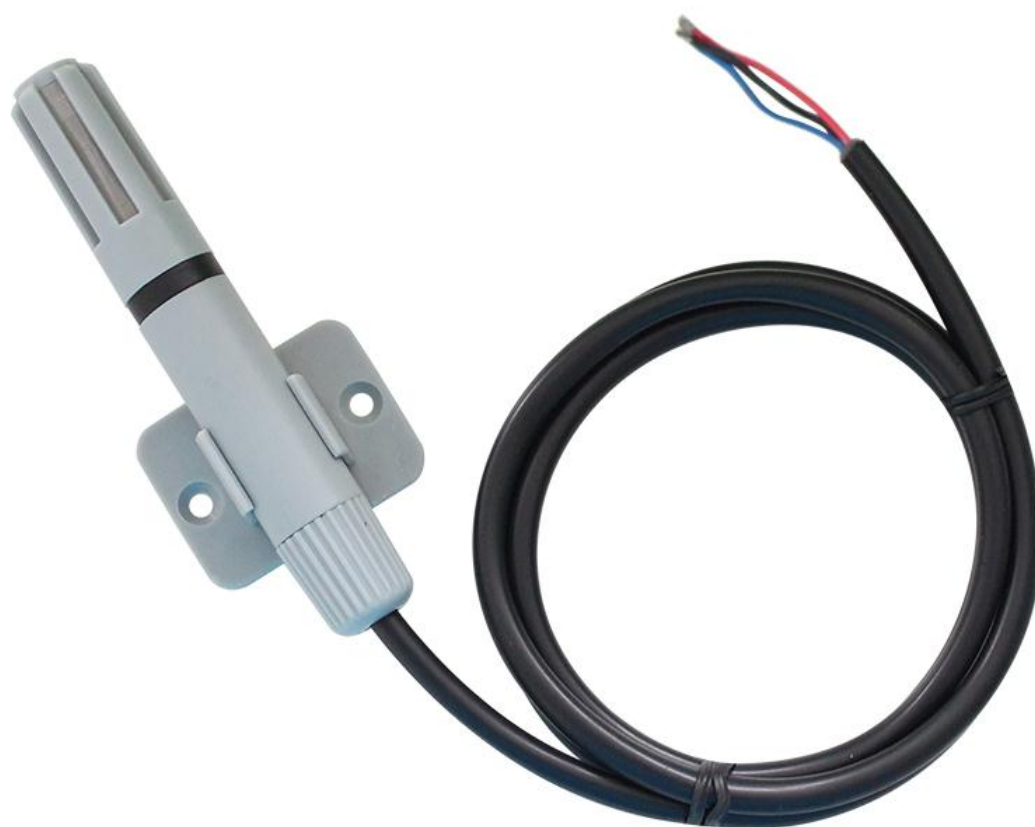


SM7320V

Voltage-mounted temperature and humidity sensors

User Manual

File Version: V21.12.18



SM7320V using the standard DC0 ~ 5V voltage output signal,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.

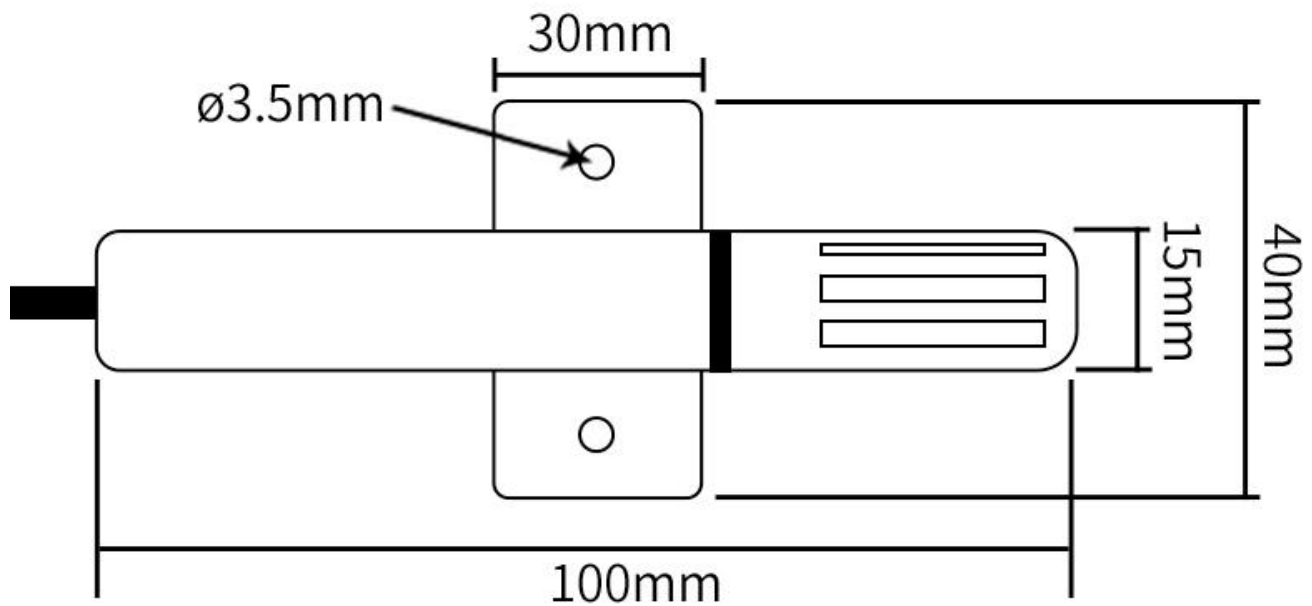
Technical Parameters

Technical parameter	Parameter value
Brand	SONBEST

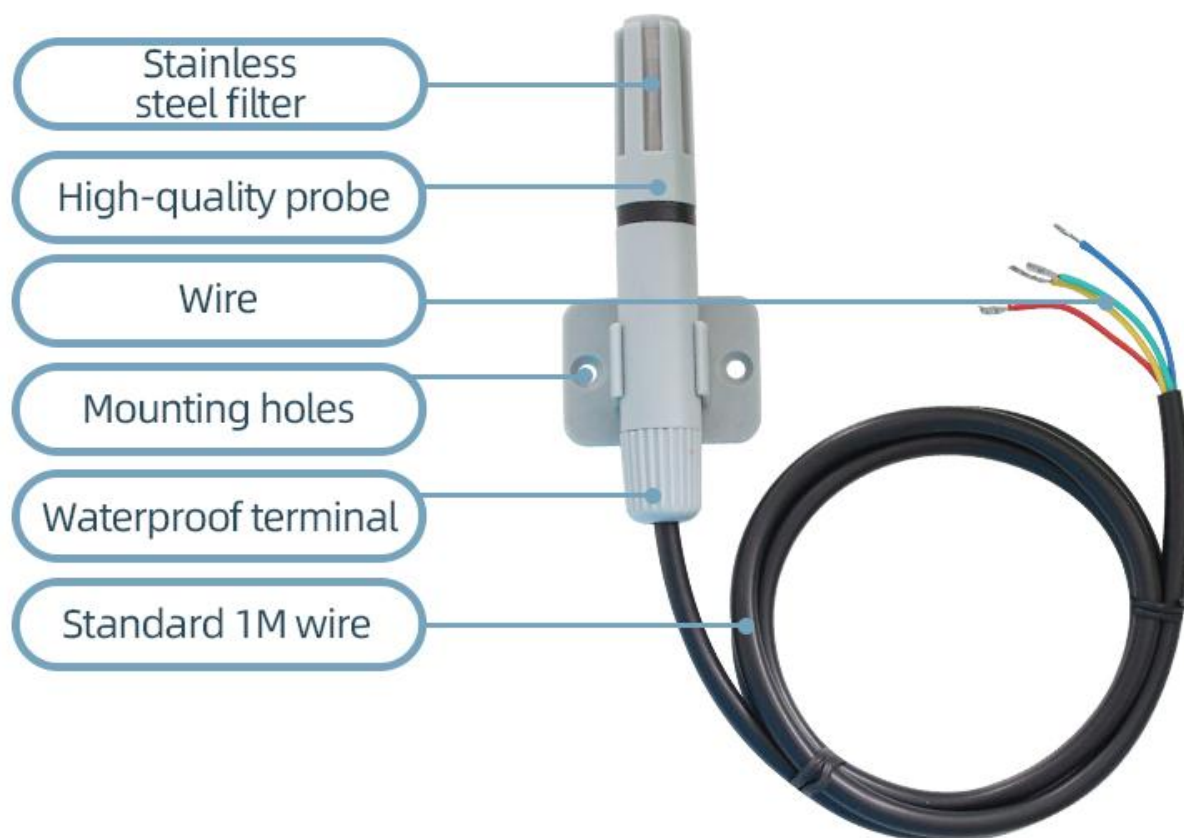


Humidity measuring range	0~100%RH
Humidity accuracy	± 3%RH @25℃
Output Interface	DC0~5V
Power	DC12~24V 1A
Running temperature	-40~80℃
Working humidity	5%RH~90%RH

Product Size



How to wiring?



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

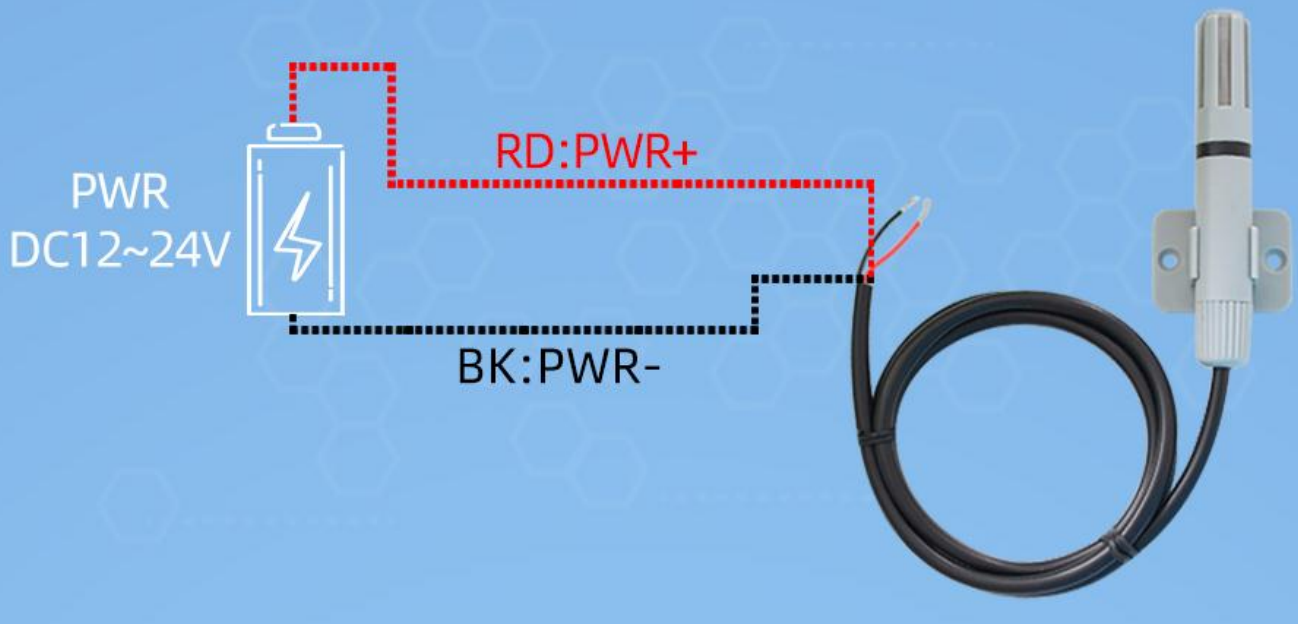
※Note: When wiring, first connect the positive and negative poles of the power supply, and then connect the signal line

Application solution

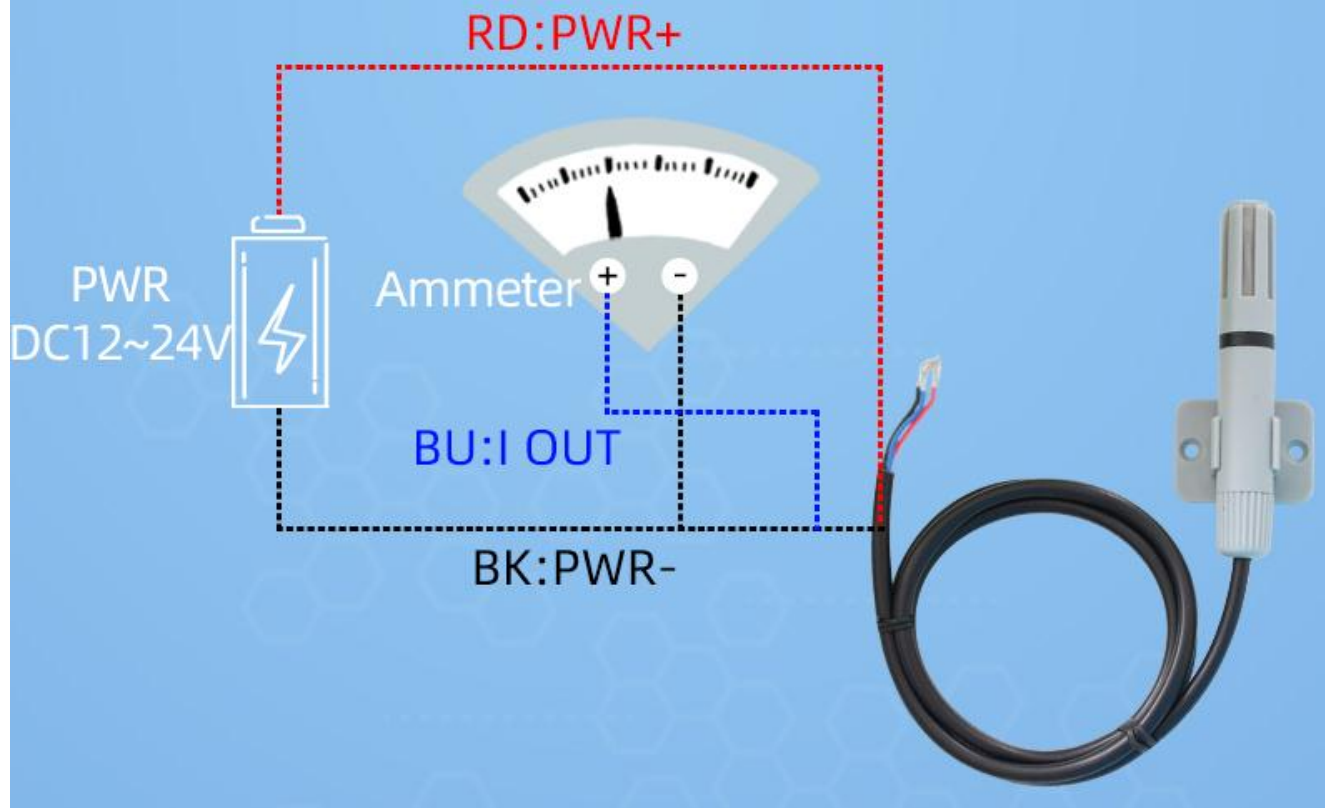
■ RS485 Wiring



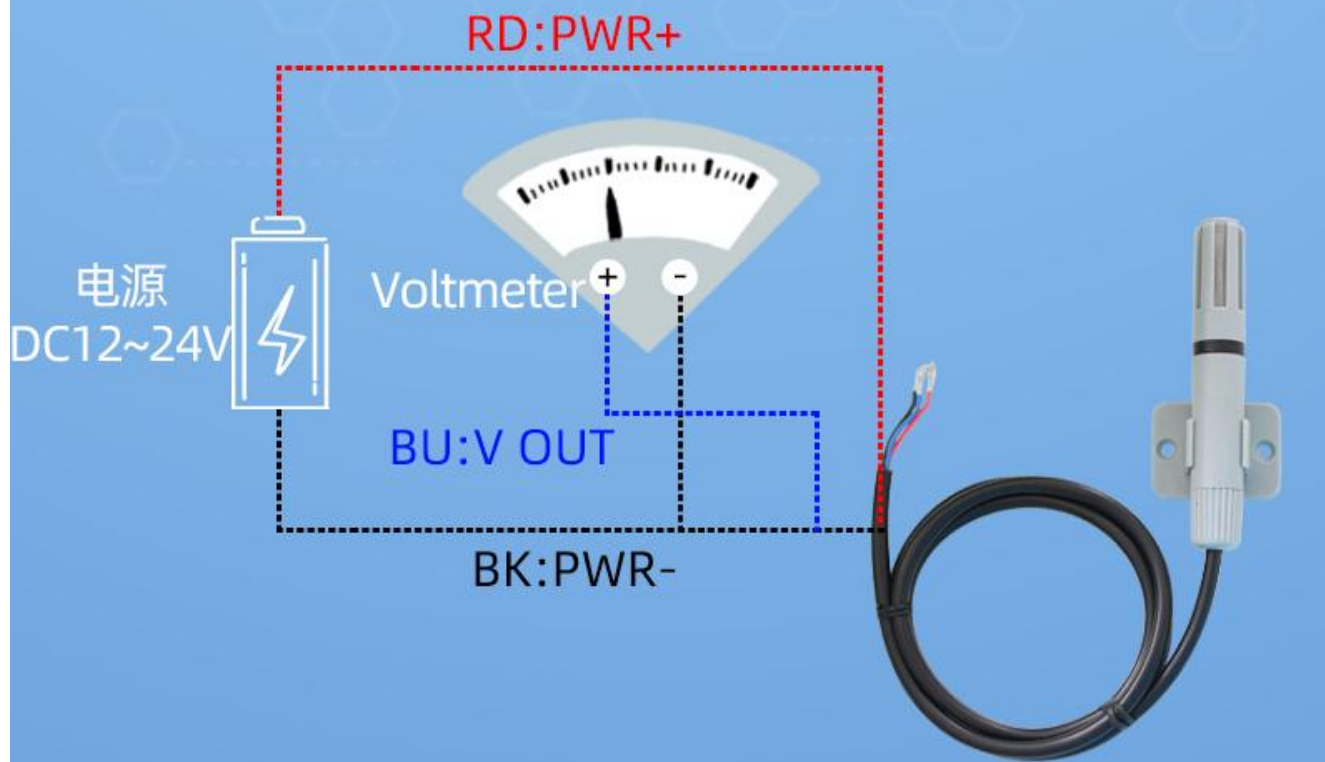
■ Current two-wire wiring



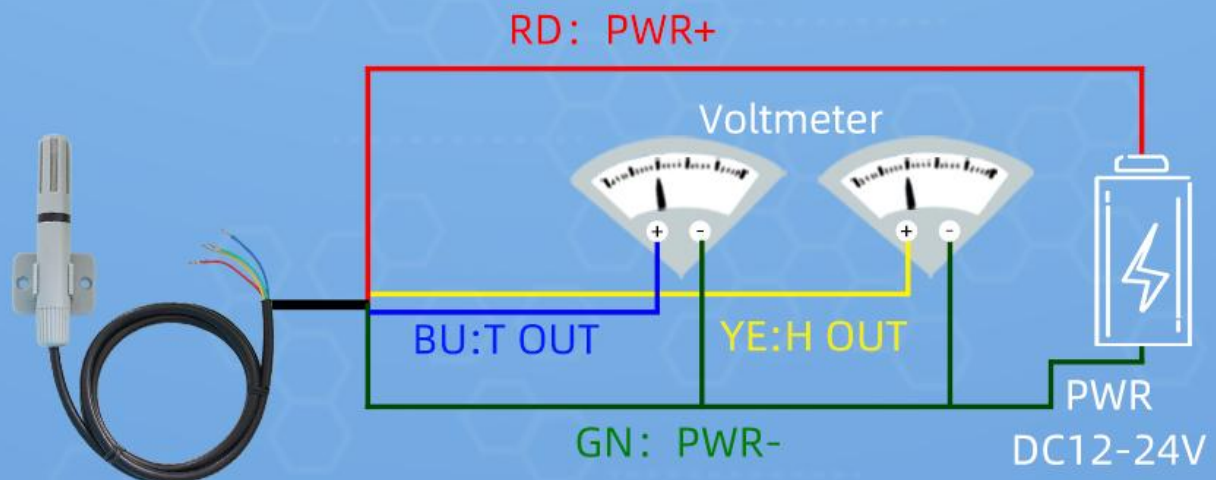
■ Current three-wire wiring



■ Voltage wiring



■ Voltage T&H wiring



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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