



SONBEST SM7320M 4-20mA Arack Temperature and Humidity Sensor User Manual

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SM7320M
4-20mA Arack temperature and humidity sensor
User Manual
File Version: V21.12.18



SM7320M using the standard, easy access to PLCDCS and other instruments or systems for monitoring humidity state quantities. The internal use of high-precision sensingcore and related devices to ensure high reliability and excellent long-term stability can be customized RS232, RS485, CAN,4-20mA, DC0~5V10V, ZIGBEE, Lora, WIFI, GPRS, and other output methods.

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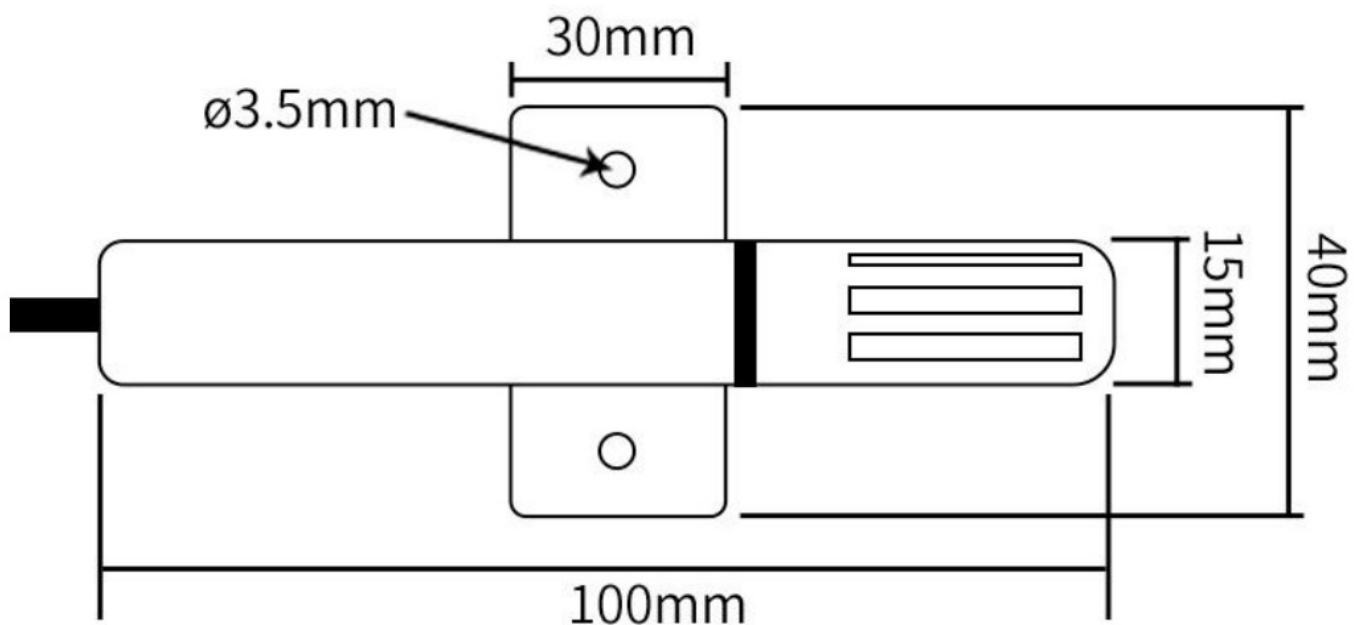
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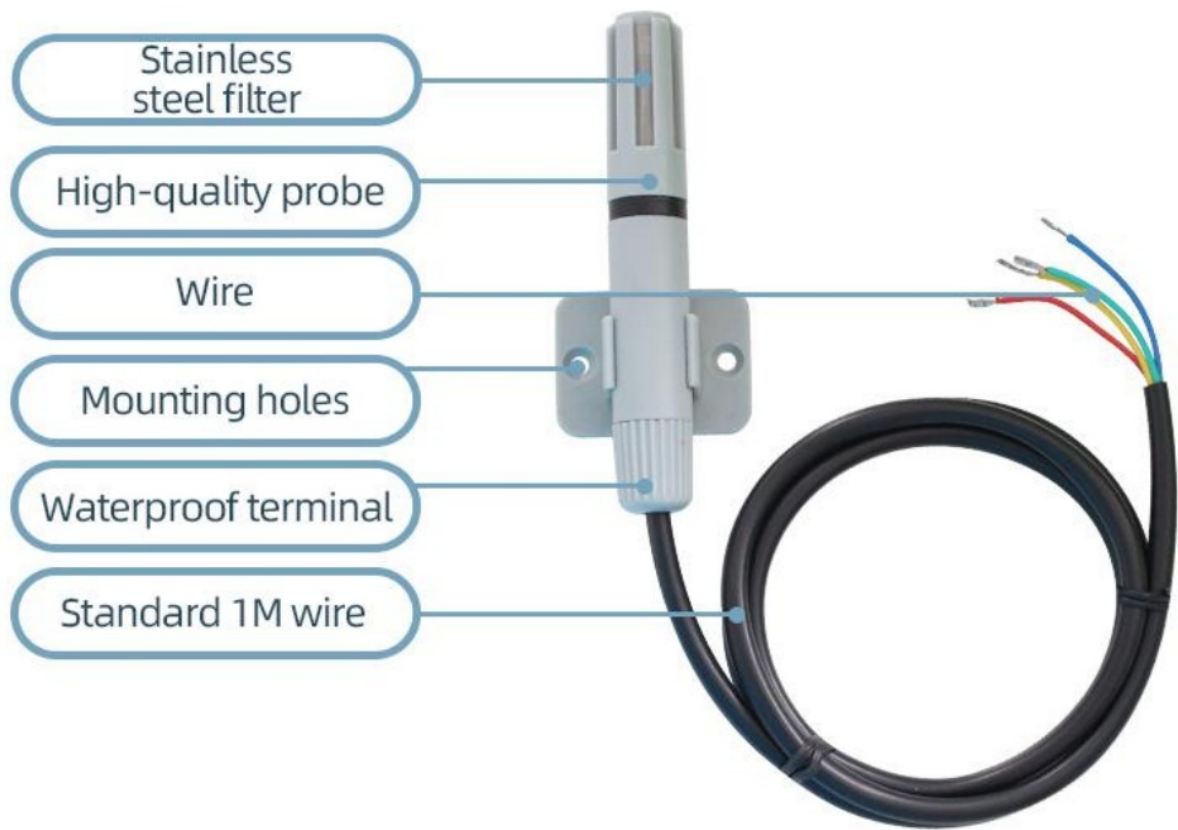
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


Technical Parameters

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










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

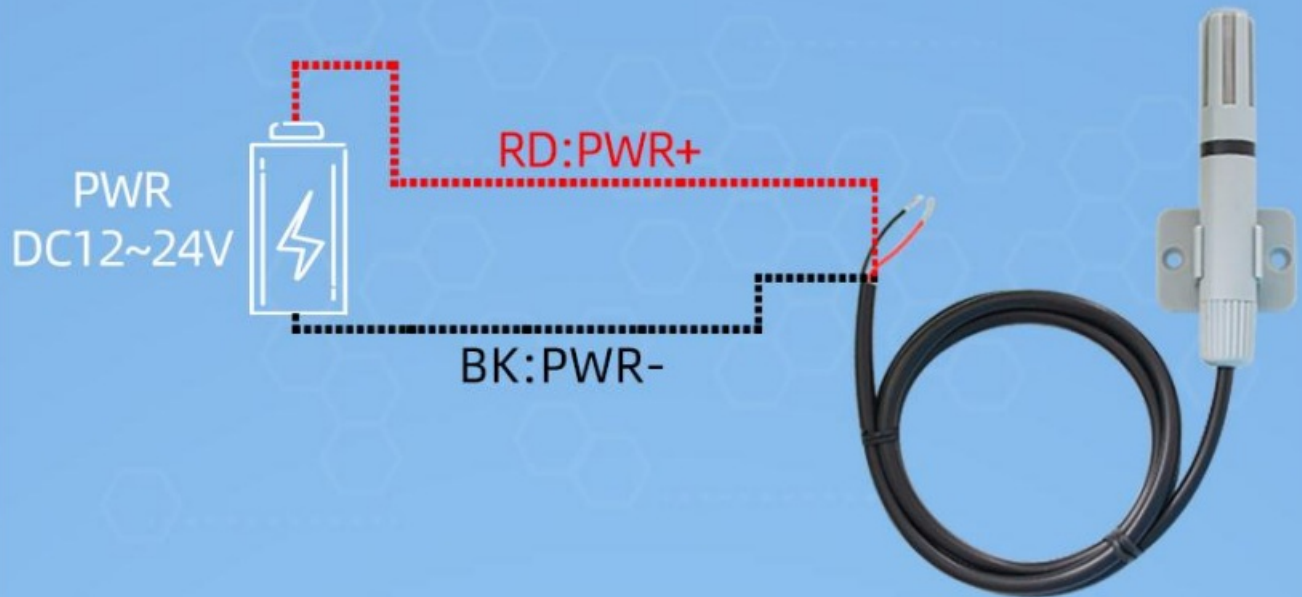
	RD	PWR+
	GN	PWR-
	YE	H OUT
	BU	T OUT

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

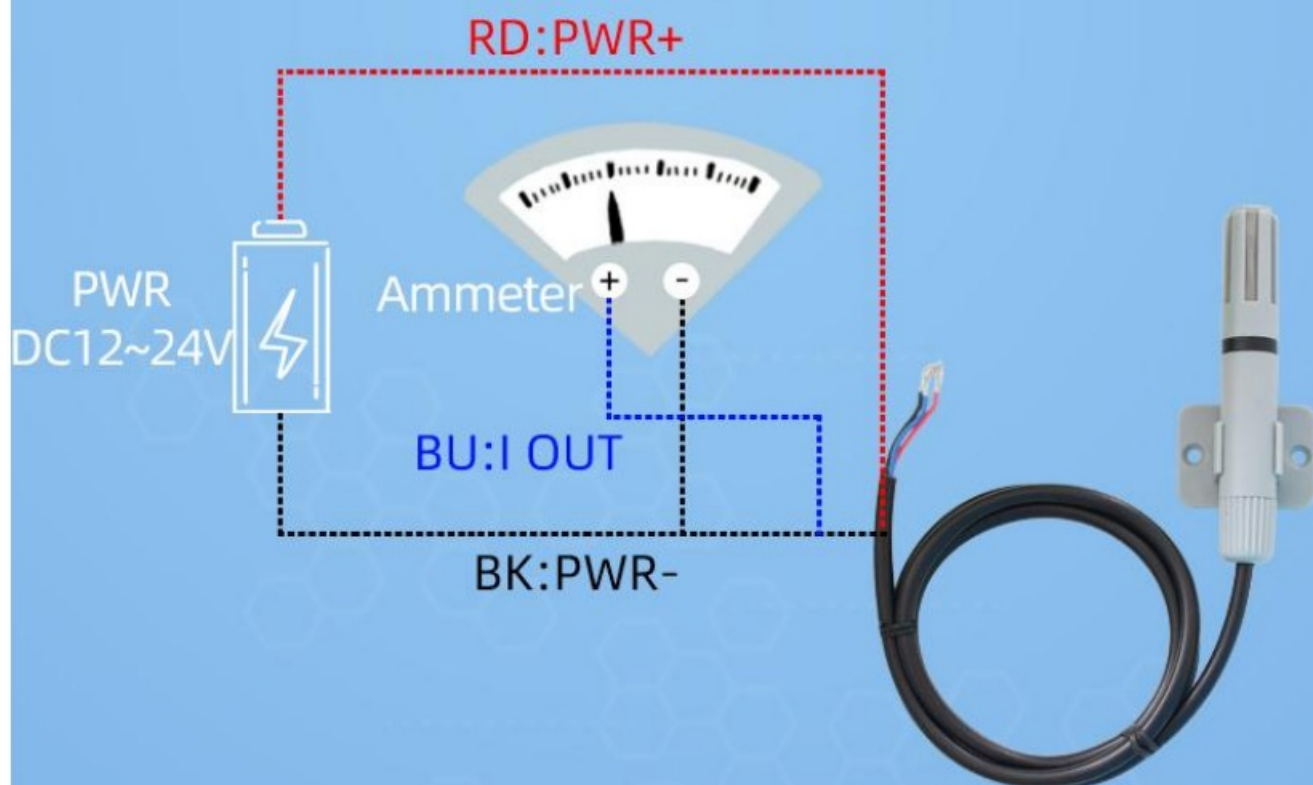
■ RS485 Wiring



■ Current two-wire wiring



■ Current three-wire wiring



■ Voltage 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, temperature and humidity sensors such as R5485 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

	SONBEST SM7320M 4-20mA Temperature and Humidity Sensor [pdf] User Manual SM7320M, 4-20mA Temperature and Humidity Sensor
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References

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- [Home-SONBEST -SONBUS.COM| THE SENSOR COMPANY](#)
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Manuals+.