



# SONBEST SM7300V bracket type temperature sensor User Manual

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## SM7300V bracket type temperature sensor User Manual



SM7300V using the standard DC0 ~ 5V voltage output signal, easy access to PLC, DCS, and other instruments or systems for monitoring temperature 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.

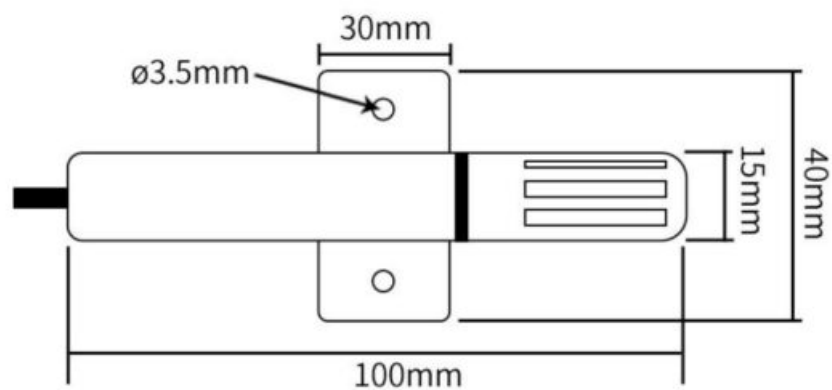
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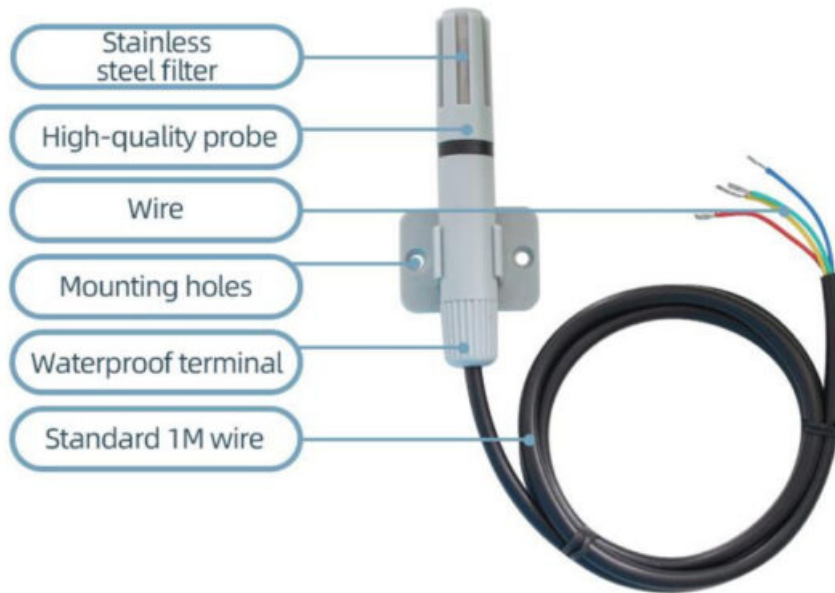
## Technical Parameters

Technical parameter	Parameter value
Brand	SONBEST
Temperature measuring range	-50°C~120°C
Temperature measuring accuracy	±0.5°C @25°C
Output Interface	DC0~5V
Power	DC12~24V 1A
Running temperature	-40~80°C
Working humidity	5%RH~90%RH

## Product Size



## How to wiring?



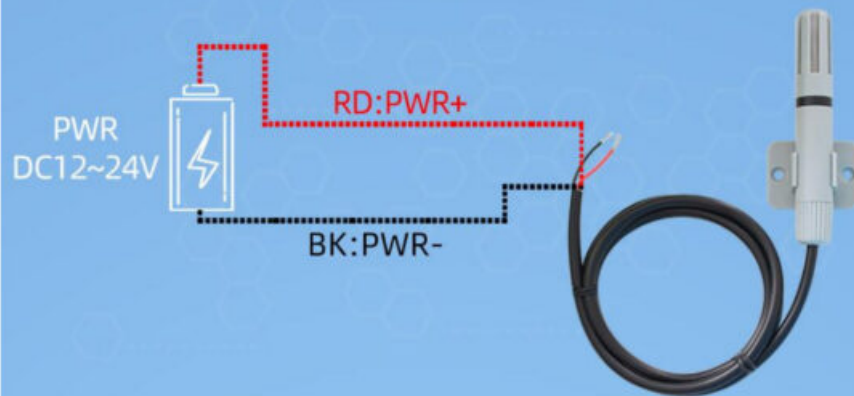
RS485 Wire			Current-type two-wire wire		
<span style="color: red;">■</span>	RD	PWR+	<span style="color: red;">■</span>	RD	PWR+
<span style="color: green;">■</span>	GN	PWR-	<span style="color: black;">■</span>	BK	PWR-
<span style="color: yellow;">■</span>	YE	RS485 A+			
<span style="color: blue;">■</span>	BU	RS485 B-			
Current-type three-wire wire			Voltage T wire		
<span style="color: red;">■</span>	RD	PWR+	<span style="color: red;">■</span>	RD	PWR+
<span style="color: black;">■</span>	BK	PWR-	<span style="color: black;">■</span>	BK	PWR-
<span style="color: blue;">■</span>	BU	I OUT	<span style="color: blue;">■</span>	BU	V OUT
Voltage T&H wiring					
<span style="color: red;">■</span>	RD	PWR+			
<span style="color: green;">■</span>	GN	PWR-			
<span style="color: yellow;">■</span>	YE	H OUT			
<span style="color: blue;">■</span>	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

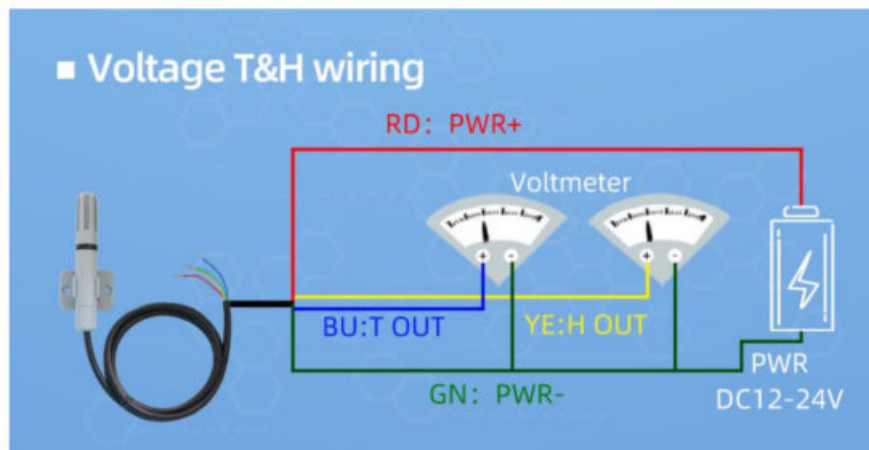
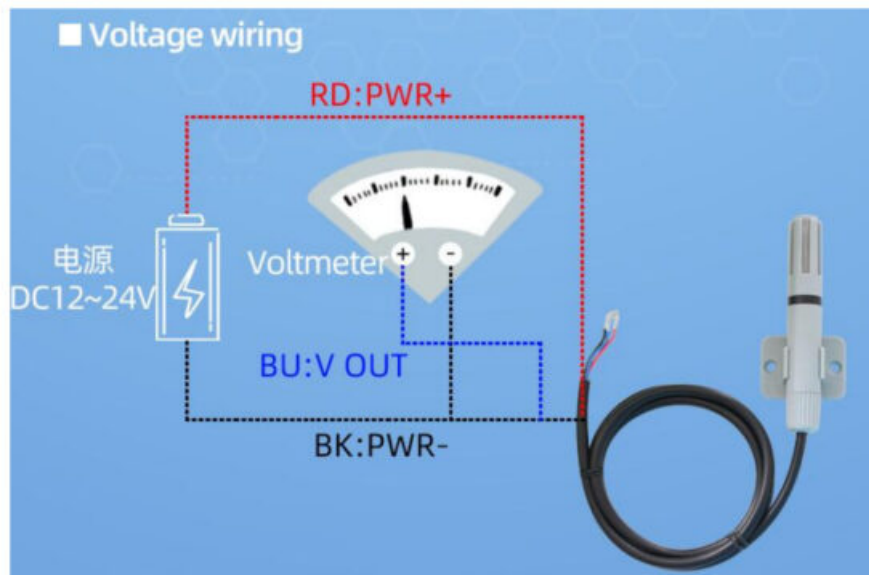


## ■ Current two-wire wiring



## ■ Current three-wire wiring





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


## Disclaimer

This document provides all information about the product, does not grant any license to intellectual property, does not express or imply, and prohibits any other means of granting any intellectual property rights, such as the statement of sales terms and conditions of this product, other issues. No liability is assumed. Furthermore, our company makes no warranties, express or implied, regarding the sale and use of this product, including the suitability for the specific use of the product, the marketability or the infringement liability for any patent, copyright or other intellectual property rights, etc. Product specifications and product descriptions may be modified at any time without notice.

## Contact Us

Company: Shanghai Sonbest Industrial Co., Ltd  
Address: Building 8, No. 215 North east road, Baoshan District, Shanghai, China  
Web: <http://www.sonbest.com>  
Web: <http://www.sonbus.com>  
SKYPE: soobuu  
Email: [sale@sonbest.com](mailto:sale@sonbest.com)  
Tel: 86-021-51083595 / 66862055 / 66862075 / 66861077

## Documents / Resources

	<p><a href="#">SONBEST SM7300V bracket type temperature sensor</a> [pdf] User Manual sensor, temperature sensor, bracket type temperature sensor, SM7300V</p>
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References

- [Home-ä Šæµ·æœåšă@žă šæœ%œ™ă...-ă](#)
- [Home-SONBEST -SONBUS.COM| THE SENSOR COMPANY](#)
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