

SM1900M

4-20mA current type protection type temperature sensor

User Manual

File Version: V21.3.24



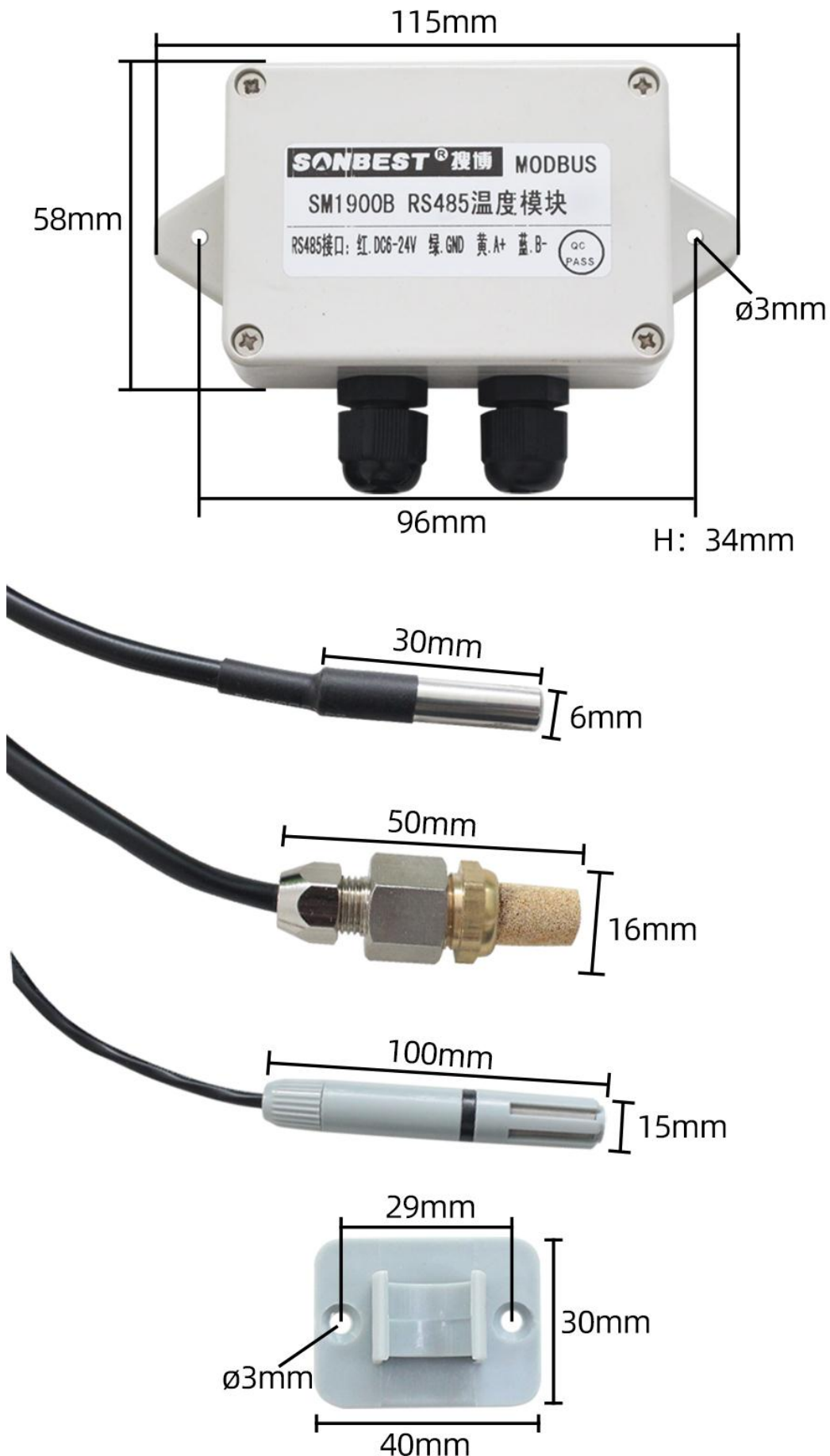
SM1900M using the standard DC4-20mA current output signal,easy access to PLC , DCS and other instruments or systems for monitoring temperature state quantities.The internal use of high -precision sensing core and related devices to ensure high reliability and excellent long-term stability,can be customized RS232,RS485,CAN,4-20mA,DC0~5V\10V,ZIGBEE,Lora,WIFI,GPRS and other output methods.

Technical Parameters

Technical parameter	Parameter value
---------------------	-----------------

Brand	SONBEST
Temperature measuring range	-50℃~120℃
Temperature measuring accuracy	±0.5℃ @25℃
Communication Interface	DC4~20mA
Power	DC12~24V 1A
Running temperature	-40~80℃
Working humidity	5%RH~90%RH

Product Size



How to

wiring?

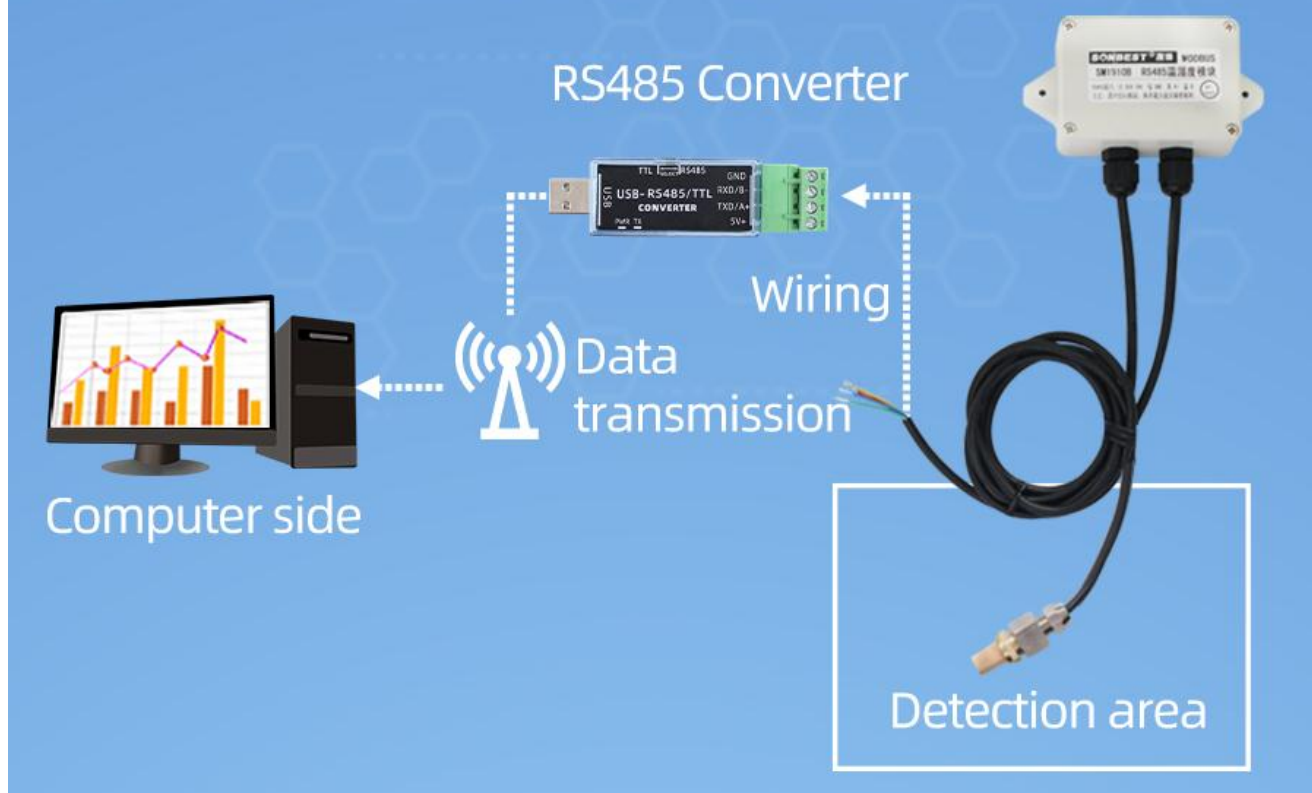


RS485 Wire	A Single T Wire	A T&H Wire
■ RD PWR+	■ RD PWR+	■ RD PWR+
■ GN PWR-	■ GN PWR-	■ GN PWR-
■ YE RS485 A+	■ BU T OUT	■ YE H OUT
■ BU RS485 B-		■ BU T OUT

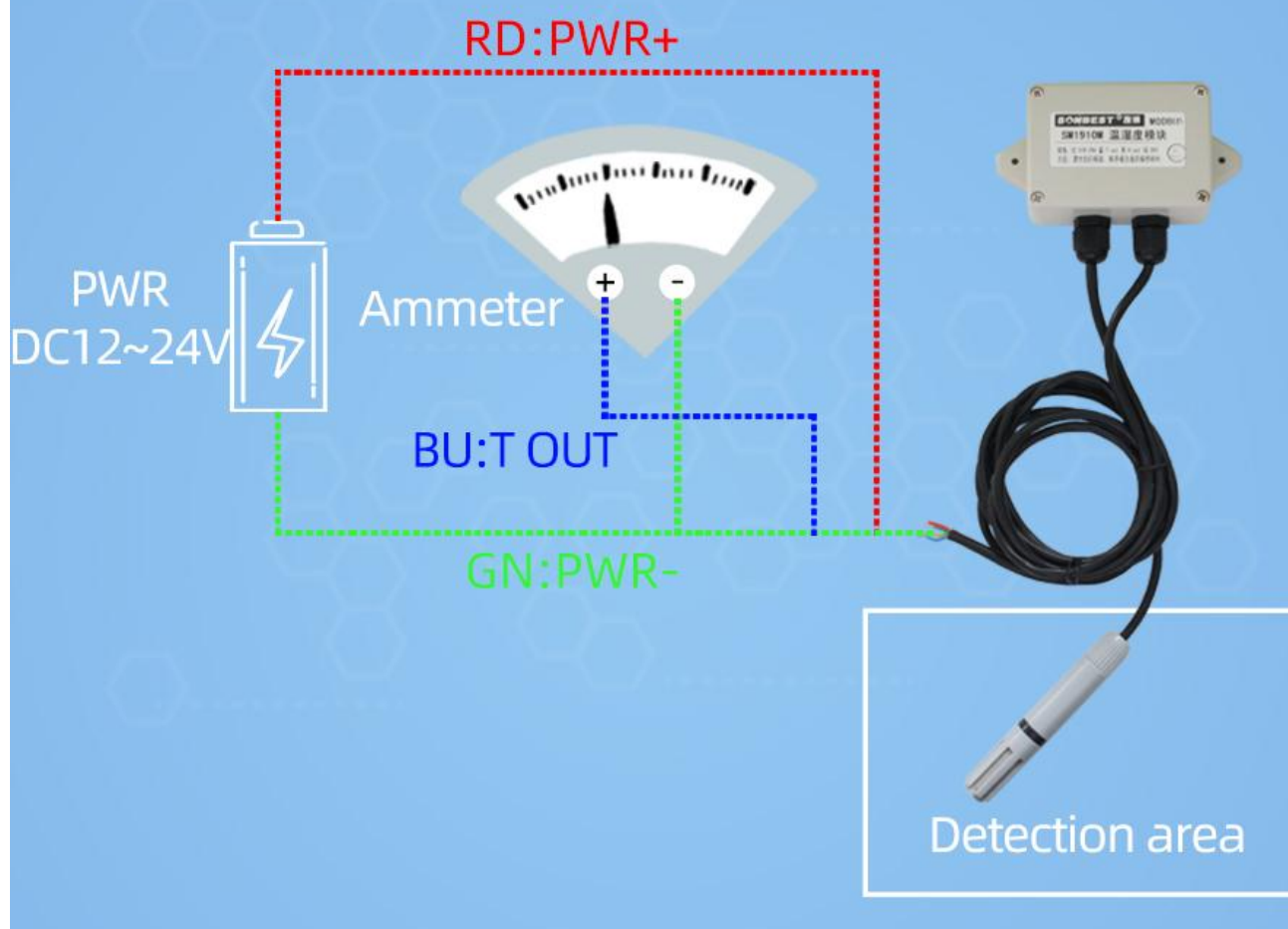
※ Note: When wiring, first connect the positive and negative poles of the power supply, and then connect the signal line

Application solution

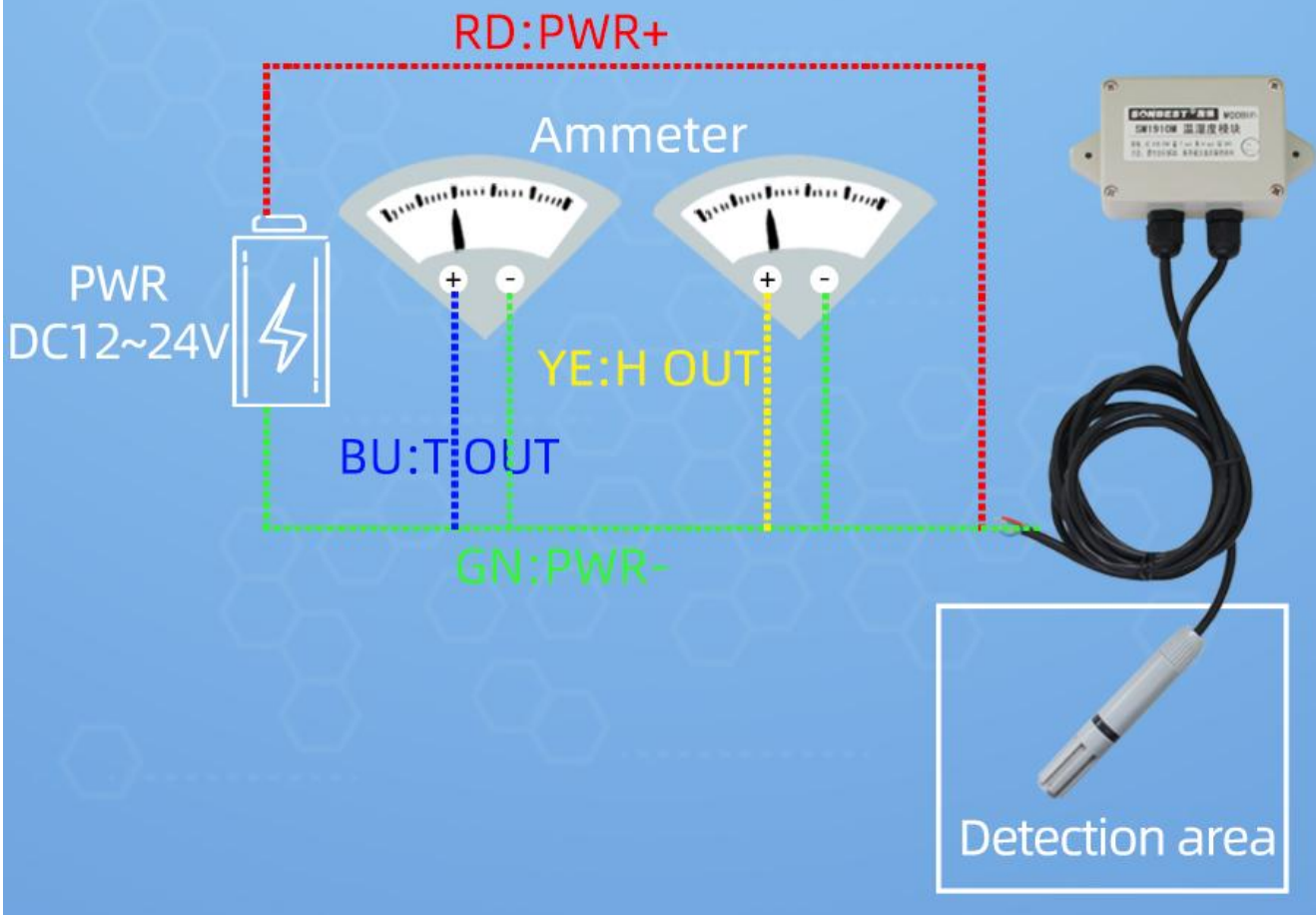
■ RS485 Wiring



■ 4~20mA T Wiring



■ 4~20mA T&H Wiring



How to use?



Food storage

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

Drug storage

According to relevant national requirements, drug storage must be controlled in accordance with the corresponding temperature and humidity. According to the latest GMP certification, the temperature storage range for general drugs is 0-30 °C



Tobacco industry

Tobacco raw materials need to control the temperature and humidity in the fermentation process. 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 the smoke. 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

Tel: 86-021-51083595 / 66862055 / 66862075 / 66861077