

SM1901V

User Manual

File Version: V21.3.24



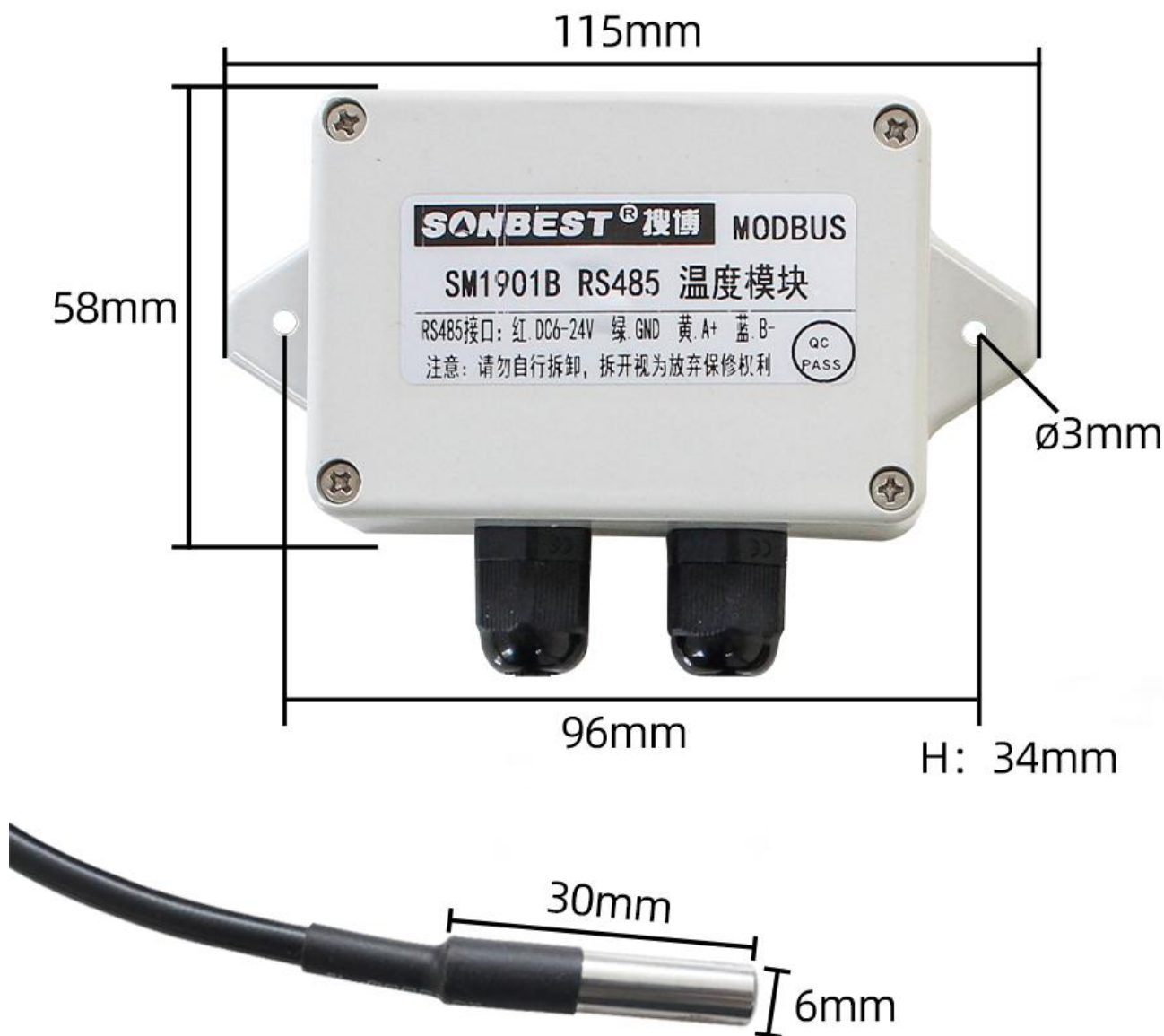
SM1901V using the standard DC0 ~ 10V voltage output signal,easy access to PLC , DCS and other instruments or systems for monitoring temperature state quantities.The internal use of high-precision sensing core and related devices to ensure high reliability and excellent long-term stability,can be

customized RS232,RS485,CAN,4-20mA,DC0~5V\10V,ZIGBEE,Lora,WIFI,GPRS and other output methods.

Technical Parameters

Technical parameter	Parameter value
Brand	SONBEST
Temperature measurement range	-50°C to +100°C (optional with other ranges)
Detecting Core Devices	PT100
Temperature Measurement Accuracy	± 0.5°C (0.5FS)
Thermal Response Coefficient	10mΩ/K
The resistance @ °C	1000Ω±0.12Ω/K
The resistance rate	0.385Ω/K
Reference Standards	Using EN 60751 Class B Standards
Channels	1
Output Interface	DC0~10V
Power	DC9~24V 1A
Running temperature	-40~80°C
Working humidity	5%RH~90%RH

Product Size



How to wiring?

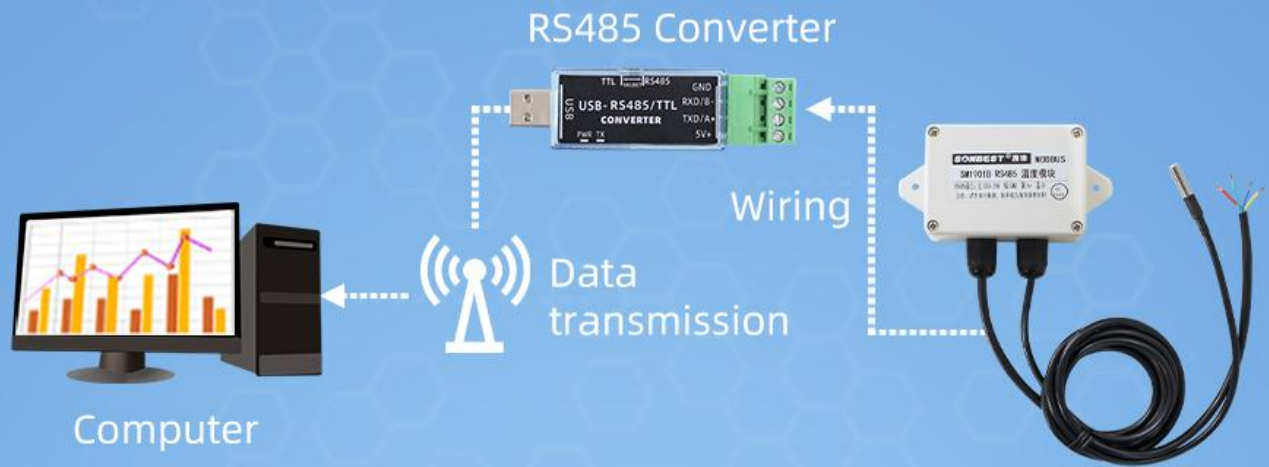


RS485	4~20MA	V
■ RD PWR+	■ RD PWR+	■ RD PWR+
■ GN PWR-	■ GN PWR-	■ GN PWR-
■ YE RS485 A+	■ BU T OUT	■ BU T OUT
■ BU RS485 B-		

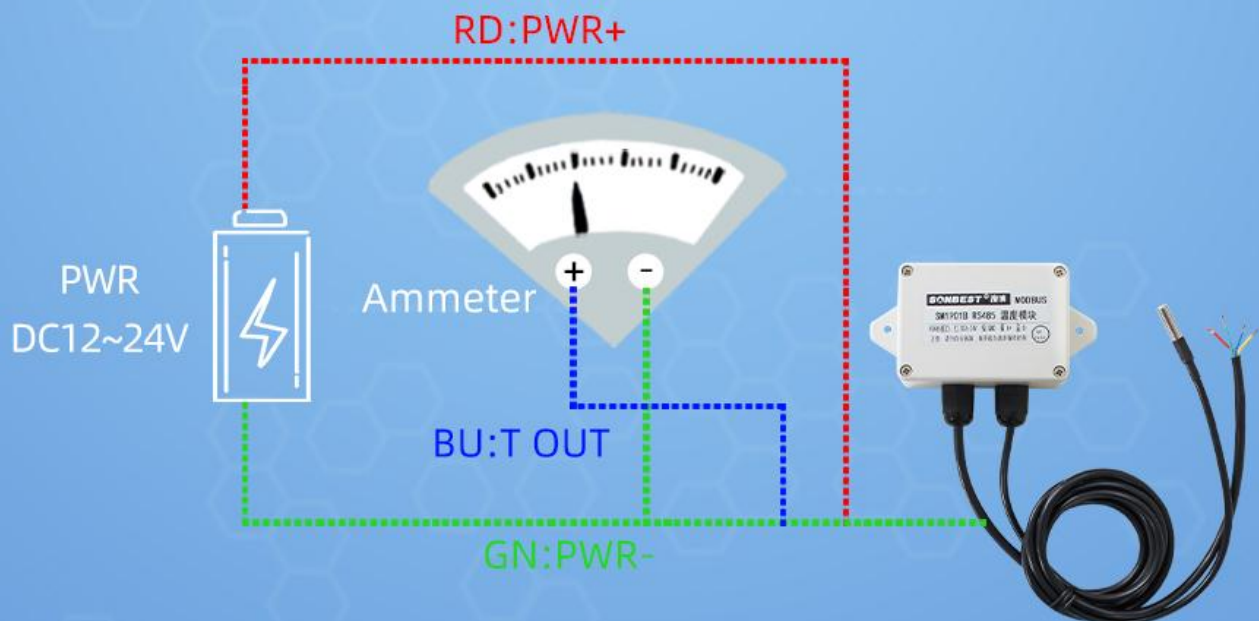
※Note: When wiring, first the positive and negative poles of the power supply, and then connect the signal line

Application solution

■ RS485 Wiring



■ mA/V Wiring



How to use?



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