

SR1000

RS485 interface 30 point DS18B20 temperature recorder

User Manual

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SR1000 using the standard RS485 bus MODBUS-RTU protocol, 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	-30℃~85℃
Temperature measuring accuracy	±0.5℃ @25℃
Communication Interface	RS485
Default baud rate	9600 8 n 1
Power	DC3.3~4.2V
Running temperature	-30~85℃
Working humidity	5%RH~90%RH

Product Size



How to wiring?



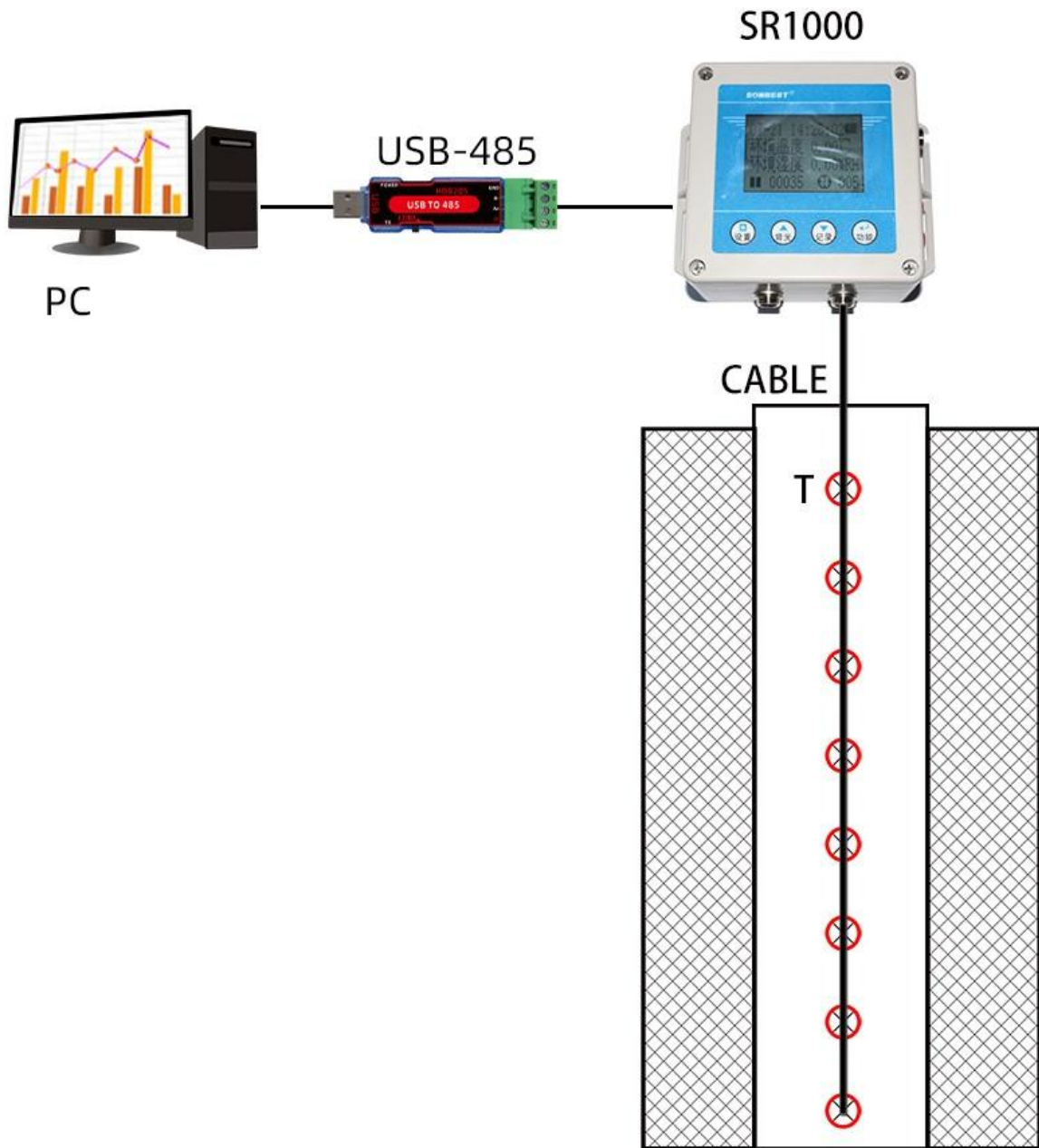
SIGNAL PORT WIRING

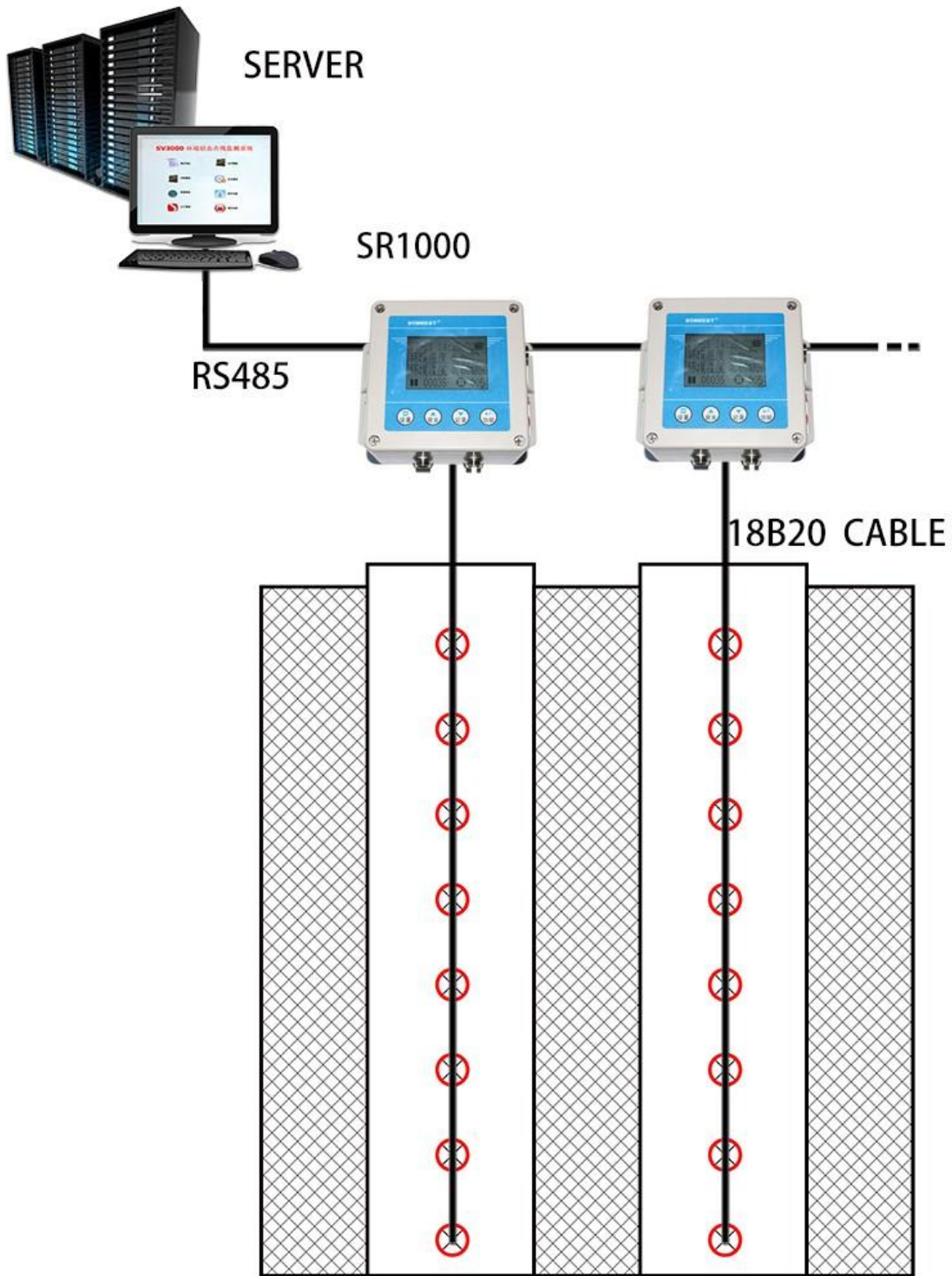
RED POWER POSITIVE
BLACK POWER CATHODE
BLUE SIGNAL LINE

※ NOTE: PLEASE USE A SPECIAL CHARGER WHEN CHARGING,
AND THE MAXIMUM VOLTAGE IS DC4.2V

Application solution

■ Basic application scheme





How to use?

It can be used for underground well, underground temperature measurement and reservoir temperature measurement



Product List



Recorder (including charger)



Test line



18650 lithium battery

Communication Protocol

Disclaimer

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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