

SD8202B

SD8202B Large-screen LED displays datasheet

User Manual

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SD8202B 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°C~85°C
Temperature measuring accuracy	±0.5°C @25°C
Communication Interface	RS485
Default baud rate	9600 8 n 1
Power	DC9~24V 1A
Display	LED
Running temperature	-30~85°C
Working humidity	5%RH~90%RH

Product Size





Power wiring

- 1 Positive of power
- 2 Negative of power

RS485 wiring

- 1 A+ RS485+
- 2 B- RS485-

Sensor wiring

- 1 VCC
- 2 GND
- 3 signal line

Wiring instructions

In the case of broken wires, wire the wires as shown in the figure. If the product itself has no leads, the core color is for reference.

How to use?

It is mainly used for on-site real-time measurement of various temperatures in the environment, weather stations, workplaces, buildings, and workshops



Application solution

■ **Basic app**



Product List



bulletin board
(Including DC12V 1A power supply)



2 3-meter long
temperature probes



certificate

Communication Protocol Disclaimer

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