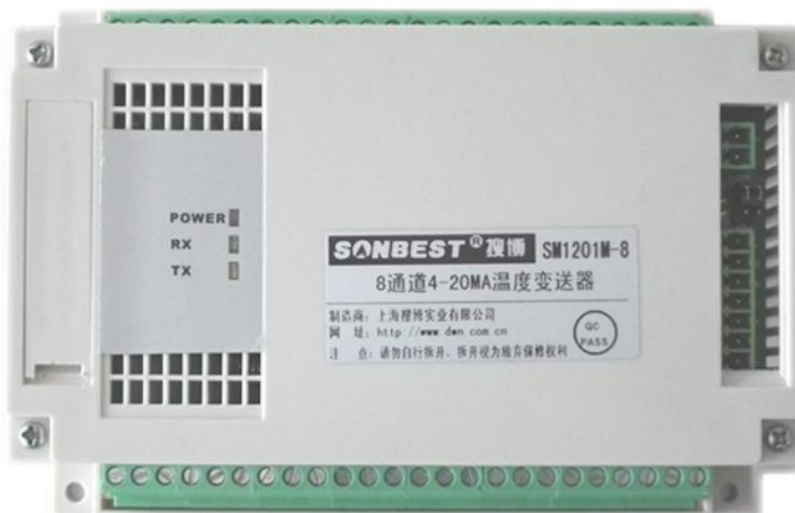


SM1201M-8

Eight channel 4-20mA programmable temperature transmitter

User Manual

File Version: V23.6.30

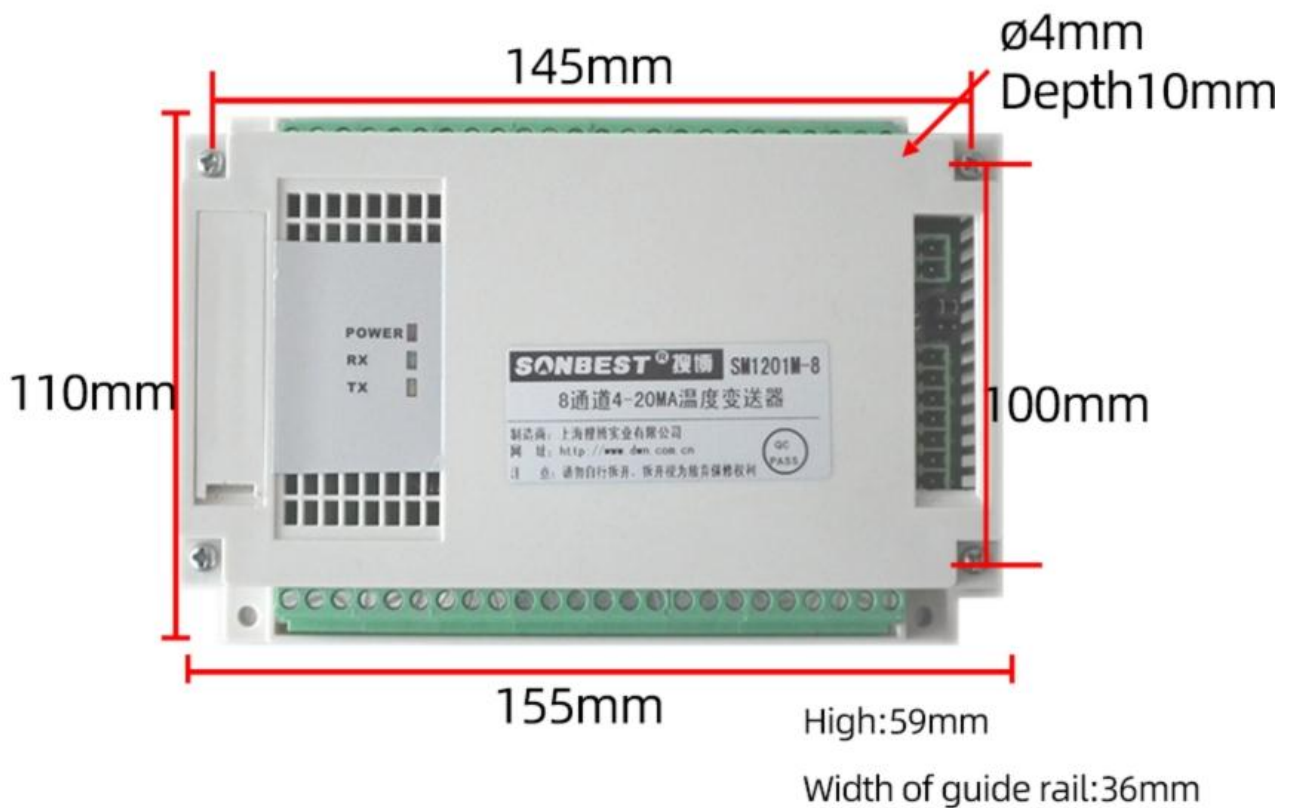


SM1201M-8 using the standard DC4-20mA current output signal,easy access to PLC , DCS and other instruments or systems for monitoring temperature@8 state quantities.The internal use of high-precision sensing core and related devices to ensure high reliability and excellent long-term stability,can be customized RS232,RS485,CAN,4-20mA,DC0~5V10V,ZIGBEE,Lora,WIFI,GPRS and other output methods.

Technical Parameters

Technical parameter	Parameter value
Brand	SONBEST
Temperature measurement range	-50℃ to +100℃ (optional with other ranges)
Detecting Core Devices	PT100
Temperature Measurement Accuracy	± 0.5℃ (0.5FS)
Thermal Response Coefficient	10mΩ/K
The resistance @ ℃	1000Ω±0.12Ω/K
The resistance rate	0.385Ω/K
Reference Standards	Using EN 60751 Class B Standards
Channels	8
Communication Interface	DC4~20mA
Power	DC6~24V 1A
Running temperature	-30~85℃
Working humidity	5%RH~90%RH

Product Size



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.

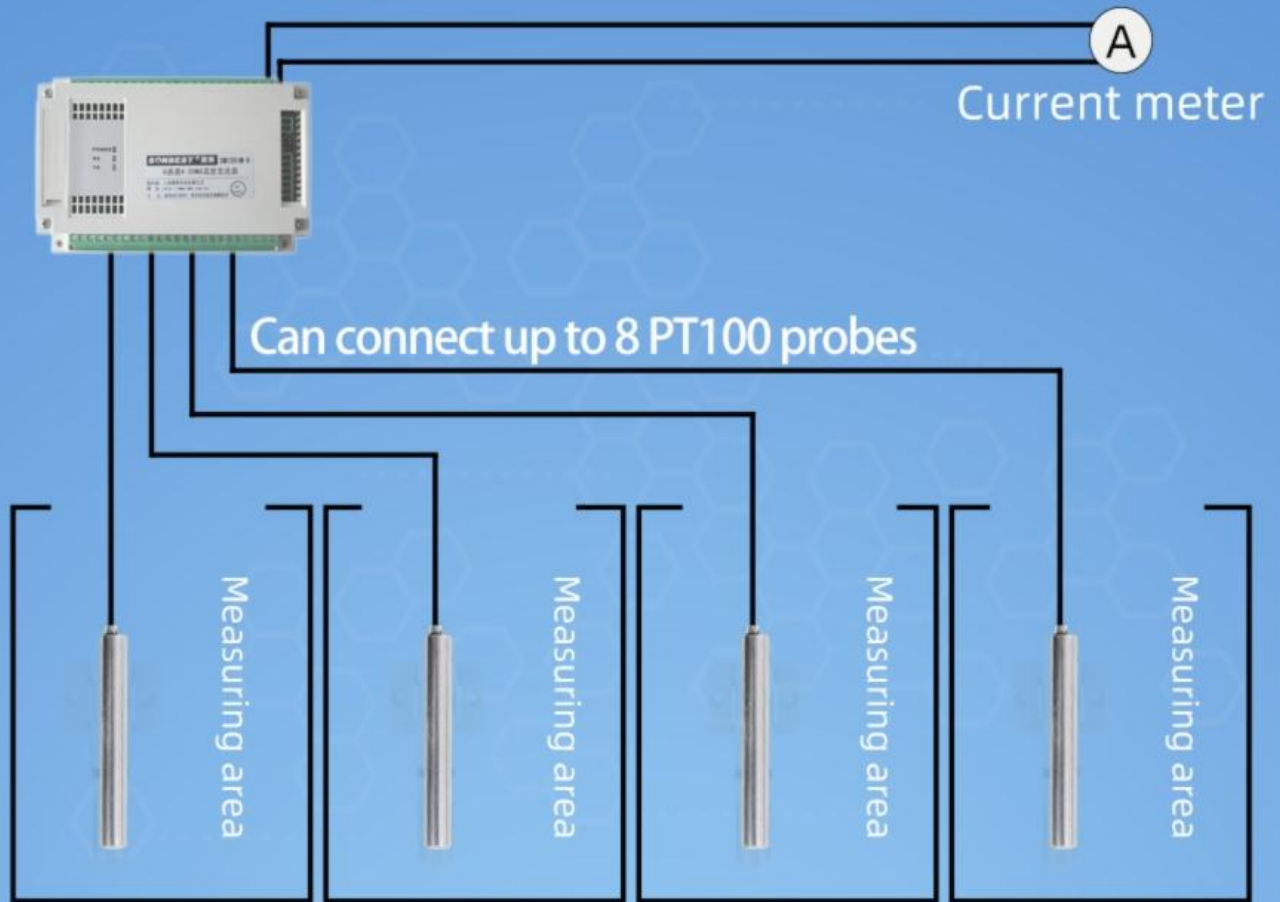
How to use?

The temperature acquisition module can be widely used in the field of indoor temperature measurement such as grain warehouse, heat



Application solution

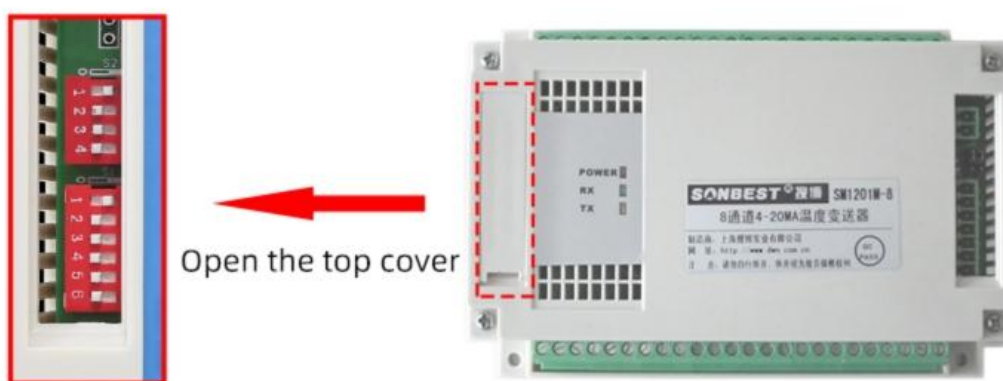
Application scenario



Device address settings

In the application, sometimes need multi-computer networking use, networking device address can not be the same, so the user changes the device address, address range of 1-63. The change of the device address of the device is through the barcode switch S1 to achieve. The dial switch dials to "ON" for "1" , "Digital end" for "0" , the dial switch S 11-6 and the address of the relationship between the system as shown in the table below:

Dial switch S1(the number marked on the dial switch is the segment number)						Device address
Section 6	Section 5	Section 4	Section 3	Section 2	Section 1	
0	0	0	0	0	1	1
0	0	0	0	1	0	2
0	0	0	0	1	1	3
...
1	1	1	1	1	1	63



The default device address is 1, and the dialing location is shown.

Note: You must restart the device (power off) for the new device address setting to take effect

Product List



8-CHANNEL 4-20MA TEMPERA
TURE TRANSMITTER



Warm Reminder card



Certificate

Disclaimer

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