

## SM2130M-PM25

### 4-20mA current type PM2.5 sensor

#### User Manual

File Version: V21.3.24



SM2130M-PM25 using the standard DC4-20mA current output signal,easy access to PLC, DCS and other instruments or systems for monitoring PM2.5 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 |
|---------------------|-----------------|
|---------------------|-----------------|

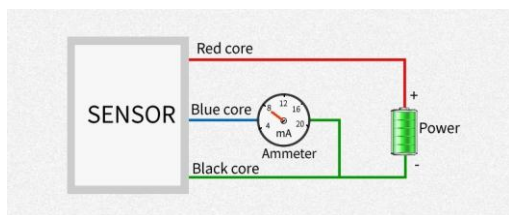
|                         |                            |
|-------------------------|----------------------------|
| Brand                   | SONBEST                    |
| PM2.5 range             | 0~999ug/m3                 |
| PM2.5 accuracy          | ±15% or ±10ug/m3 max @25°C |
| Communication Interface | DC4~20mA                   |
| Power                   | DC12~24V 1A                |
| Running temperature     | -40~80°C                   |
| Working humidity        | 5%RH~90%RH                 |

### Wiring instructions

Any incorrect wiring can cause irreversible damage to the product. Please carefully wire the cable as follows in the case of power failure, and then connect the cable to confirm the correctness and then use it again.

| ID | Core color | Identification | Note                     |
|----|------------|----------------|--------------------------|
| 1  | Red        | V+             | Power V+                 |
| 2  | Blue       | I+             | sensor output            |
| 3  | BLACK      | V-             | Power negative electrode |

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.



### Disclaimer

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