

SEM325 Sulfur dioxide SO2 transmitter

**MAIN FEATURES**

- Measuring range is 0-20.00ppm (default);
- The wall-mounted waterproof shell is easy to install and has a high degree of protection;
- The communication address and baud rate can be set, and the farthest communication distance is 2000 meters;
- Standard ModBus-RTU communication protocol, communication address and baud rate can be set, the farthest communication distance is 2000 meters;
- The imported high-sensitivity gas detection probe is mature in technology and uses high-performance signal acquisition circuit to accurately measure SO2 concentration, with stable signal and high accuracy.



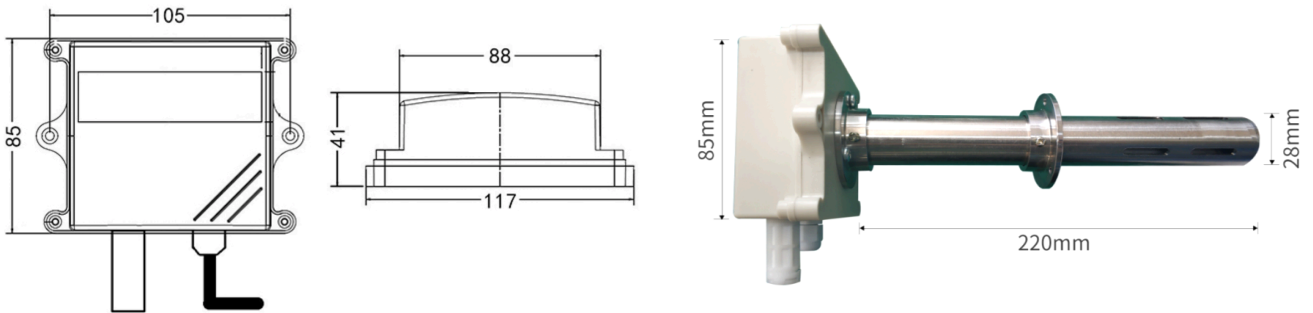
**MAIN FEATURES**

The transmitter uses electrochemical technology to measure SO2 concentration, and the reaction is rapid and sensitive. The transmitter is widely used in air quality testing and other occasions where SO2 and temperature and humidity testing are required.

**SPECIFICATION**

|                           |  |
|---------------------------|--|
| Power supply              | 10~30VDC (0~10V type only supply 24VDC)    |
| SO2 range                 | 0~20.00ppm (default)                       |
| Output signal             | RS485、4~20mA、0~5V、0~10V                    |
| Accuracy                  | <20ppb                                     |
| Range                     | Temperature: -40°C~80°C                    |
|                           | Humidity: 0~100%RH                         |
| Accuracy                  | Temperature: ±0.5°C                        |
|                           | Humidity: ±3%RH                            |
| Average power consumption | 0.18W                                      |
| Data update time          | 2s   |
| Stability                 | <10%                                       |
| Response time             | 90% step change is generally less than 50S |
| Working environment       | -20°C~+50°C, 15%RH~90%RH                   |
| SO2 Resolution            | 0.01ppm                                    |

**DIMENSION**



**ORDER CODE**

|        |                                |              |                      |                       |   |
|--------|--------------------------------|--------------|----------------------|-----------------------|---|
| SEM325 | Sulfur dioxide SO2 transmitter |              |                      |                       |   |
|        | <b>CODE</b>                    | Types        |                      |                       |   |
|        | <b>A</b>                       | Wall-mounted |                      |                       |   |
|        | <b>B</b>                       | Pipe type    |                      |                       |   |
|        |                                | <b>CODE</b>  | Range                |                       |   |
|        |                                | <b>1</b>     | 0 ~ 20ppm            |                       |   |
|        |                                | <b>2</b>     | Others special range |                       |   |
|        |                                |              | <b>CODE</b>          | Output                |   |
|        |                                |              | <b>1</b>             | RS485                 |   |
|        |                                |              | <b>2</b>             | 0~2V                  |   |
|        |                                |              | <b>3</b>             | 0~5V                  |   |
|        |                                | <b>4</b>     | 0~10V                |                       |   |
|        |                                | <b>5</b>     | 4~20mA               |                       |   |
|        |                                |              | <b>CODE</b>          | Relay                 |   |
|        |                                |              | <b>0</b>             | Without relay control |   |
|        |                                |              | <b>1</b>             | One relay control     |   |
| SEM325 | A                              | 1            | 5                    | 0                     | - |