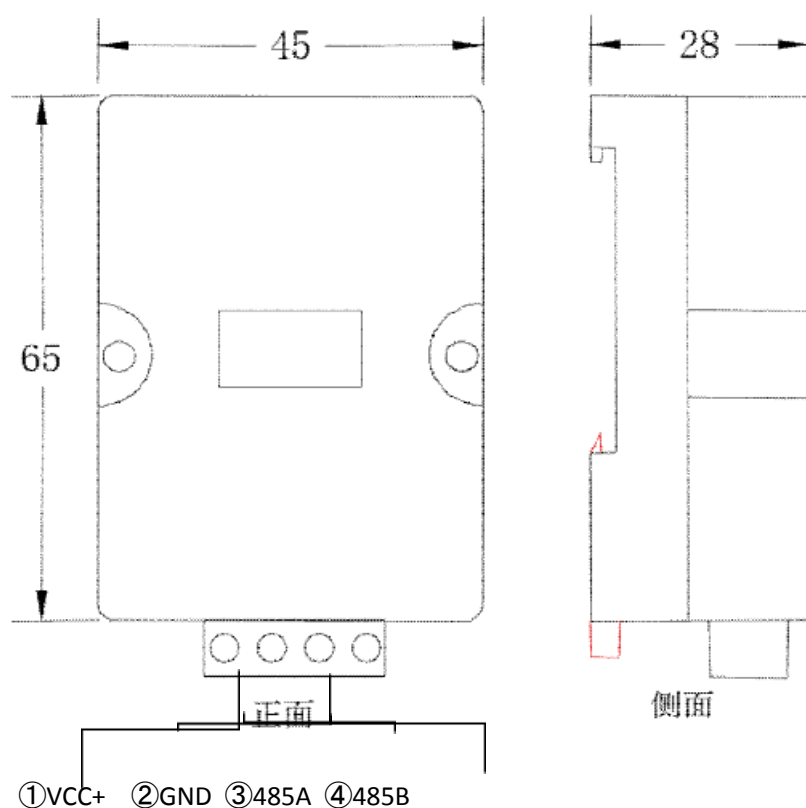




Terminal Block Definition

Terminal No.	1	2	3	4
Logo	VCC	GND	RS485A	RS485B
describe	Power positive	Negative power supply	RS485正	RS485负

Product Manual

Product overview

WTR10 gas transmitter, using high-precision digital sensor, reliable performance, high precision, small annual drift, fast response speed; RS485 bus technology, based on industrial MODBUS-RTU protocol, is a practical integrated sensor for on-line monitoring of gas status.

Product Introduction:

- 1, Model: WTR10 gas transmitter
- 2, high-precision digital sensor, high sensitivity, good stability, automatic temperature compensation.
- 3, MCU adopts STC company's professional and leading high-quality low-power chip to ensure processing capability and stability.
- 4, standard RS485 output, can achieve long-distance communication.
- 5, various standards for the use of Modbus-RTU communication protocols in the industrial field.

Technical parameters:

Model: WTR10-A (Carbon monoxide transmitter)
Range: 0-999 PPM
Accuracy: $\leq$ soil 0.5ppm or soil 5% test value is maximum
Operating temperature: -20-50°C

Model: WTR10-B (CO2 transmitter)
Range: 400-5000 PPM
Accuracy: Soil 50 ppm
Operating temperature: -20-50°C

- 1, power supply range: DC9V~40V
- 2, there is power protection function, no positive and negative electrode distinction, can be connected; With lightning protection function; Note communication : (RS485A/RS485B requires correct connection and cannot be reversed)
- 3, communication output interface: RS485
- 4, baud rate: 2400, 4800, 9600, 19200 Set by yourself (Set the baud rate command BPS=0: baud rate 2400; BPS=1: baud rate 4800; BPS=2: baud rate 9600; BPS=3: Baud rate 19200;) , the default baud rate is 9600
- 5, byte format: 8 data bits, 1 stop bit, no check
6. Communication protocol: Modbus-RTU
- 7, the communication address can be set: 1--253, the address default 1, (set the address command ADR=1 address 1; ADR=2 Address 2; ADR=3 Address 3; And so on)
8. Installation method: guide rail installation
- 9, shell material: ABS material
- 10, shell size: 65*46*28.5mm

Application areas:

can be used for industrial field measurement, telecommunication base stations, production workshops, warehouses, agricultural greenhouses, hospitals, laboratories, hotels, warehouses, on-site measurement and other occasions.

Product installation method:

WTR10 It is designed with standard rail structure and is easy to install. It can also be installed indoors or suspended ceiling.

Product instructions:

- 1, this product is not suitable for long-term condensation and chemical pollution environment, to prevent chemical agents, oil, dust and other direct damage to the sensor. Remember not to carry out cold and thermal shocks.
2. Check carefully before use to ensure correct wiring. The positive and negative poles of the power supply can be reversed. The power supply of this product is not divided into positive and negative poles. The communication line needs to be connected correctly according to RS485A and RS485B, otherwise it will not be able to communicate.
- 3, installed in a stable environment, avoid direct lighting, away from windows and air conditioning, heating and other equipment, avoid direct to the window, door.
- 4, try to avoid high-power interference equipment, so as not to measure inaccurate, such as inverters, motors, etc.
5. If you want to disassemble the product, you must first disconnect the power supply before disassembling.
6. This transmitter is indoor type to prevent water from entering inside the transmitter to avoid damage.
7. If you encounter some problems during use, please do not disassemble and repair the product, please contact our customer service staff to solve some problems you encounter under the guidance of the engineer.