

IOT-S300THLCO2 USER Manual

● Product Overview

The sensor can be widely used in environmental testing, set temperature and humidity, atmospheric pressure, light intensity, carbon dioxide, of PM2.5 like in one, mounted in the cartridge louver installation housing interior, the device using the standard MODBUS-RTU protocol, the RS485 channel signal output. The sensor device can widely be used in urban environmental surveying, agriculture monitoring, industrial control and so on many occasions.

● Product Features

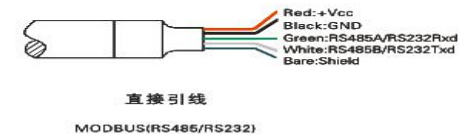
- 10-30V wide DC voltage power supply
- Standard MODBUS-RTU communication protocol
- Simultaneous measurement of various parameters such as atmospheric pressure, Temperature and humidity, and light intensity
- Wide range air pressure range, applicable to various altitudes

● Technical indicators

Supply voltage	10 ~ 30VDC	
Accuracy	temperature	± 0.5 °C (25 °C)
	Relative humidity	± 3% RH (20% RH ~ 80% RH , 25 °C)
	Illumination	± 7 % (25 °C)
	carbon dioxide	± (50ppm + 5% of reading value)
Measuring range	temperature	- . 4 0 deg.] C ~ . 8 0 deg.] C
	Relative humidity	0% RH ~ 100% RH
	Illumination	0 ~ 65535Lux , 0 ~ 200000Lux
	carbon dioxide	400 ~ 5000ppm
display resolution	temperature	0.1 °C
	Relative humidity	0.1% RH
	Illumination	1Lux
	carbon dioxide	1ppm

output signal	RS485 (Modbus RTU communication protocol)
Operating temperature	- . 1 0 ~ . 5 0 deg.] C
Storage temperature	- 2 0 ~ . 8 0 deg.] C

● Product electrical interface and connection method



● Precautions

1. After opening the product package, please check whether the appearance of the product is intact, check whether the relevant content of the product instruction manual is consistent with the product, and keep the product instruction manual properly for more than one year;
2. Wire strictly according to the product wiring diagram, and work under the product's allowed excitation voltage. Do not use it over voltage;
3. The product must not be beaten, so as not to damage the appearance and internal structure of the ring;
4. The product has no customer self-maintenance parts, please contact our company in case of failure;