

IOT-S300CO2

RS485 CO2 Sensor for Carbon Dioxide Detection

The IOT-S300CO2 carbon dioxide sensor is used to detect the concentration of carbon dioxide in the environment. It adopts imported high-performance carbon dioxide sensor detection devices, with sensitive response, high measurement accuracy, good stability and repeatability. It is widely used for indoor and outdoor environmental air quality monitoring, agricultural greenhouses, cultivation of growing plants such as flowers and other occasions that require CO2 monitoring.

Features

- High measurement accuracy
- Wall-mounted shell, easy to install
- Analog and digital signal output optional
- Superior performance, good long-term stability



Scope of application

- HVAC and indoor air monitoring
- Office buildings, commercial building control and other occasions where CO2 measurement is required
- Agricultural temperature greenhouse, flower planting, animal husbandry breeding

Technical Parameters

Measuring range	CO2 concentration	0~2000ppm	0~5000ppm
Signal output	Analog signal	4~20mA/0~5VDC/0~10VDC	
	Digital signal	RS485 output (Modbus protocol)	
Operating voltage	10~30VDC Note: 0~10VDC output (limited to 24VDC power supply)		
Power consumption	Analog signal (voltage/current maximum power consumption 1.2W) Digital signal maximum power consumption 0.4W		
Precision	CO2 concentration	±40ppm+3%FS(25°C)	
Working environment	-20°C ~+60°C, 0%RH~80%RH	Long-term stability	≤30ppm/year
	Response time	≤10s (1m/s wind speed)	Preheat time
Digital output	Device address	1~255 can be set, the default is 1	
	Device baud rate	2400, 4800, 9600, 19200, 38400, 57600, 115200, optional, default 9600	
	Byte format	8 data bits, 1 stop bit, no parity	
Electrical connections	Direct out		

Product size and wiring method

