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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

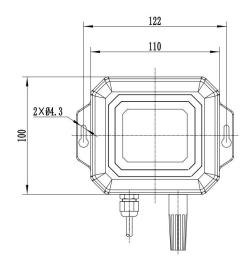
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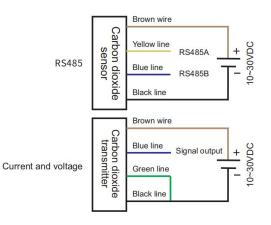
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Technical Parameters

Measuring range	CO2 concentration	0~2000ppi	m 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℃ ~+60℃, 0%RH~80%RH		Long-term stability	≪30ppm/year	
Response time	\leqslant 10s (1m/s wind speed)		Preheat time	2min (available), 10min (maximum accuracy)	
Digital output	Device address 1~255 can be set, the default is 1				
	Device baud rate	e 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





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