seeed studio

INDUSTRIAL PRODUCT DATASHEET

SenseCAP CO2, Temperature and Humidity Sensor with RS485&SDI-12 , with Waterproof Aviation Connector

3-in-1 CO2, temperature, and humidity sensor with RS485 & SDI-12, waterproof aviation connector, for air quality monitoring in smart agriculture, smart cities, buildings, and public places.

SKU	UPDATED	PRICE
101991029	2026-11-05 04:35:28	$79.00(Excl. VAT)



Overview



The SenseCAP CO2, Temperature and Humidity Sensor with RS485&SDI-12, with Waterproof Aviation Connector is a 3-in-1 sensor measuring CO2 (0ppm ~ 10,000 ppm, ± (40ppm+3%*MV)), air temperature, and relative humidity. It features wide-range 5V ~ 24V power supply, supports RS485 (Modbus-RTU / Modbus-ASCII) and SDI-12 protocols, and can connect with 4G Sensor Hub or LoRaWAN Data Logger for remote transmission.

Key Features

01 **3-in-1 sensor**

Measure Carbon dioxide(CO2), air temperature, relative humidity

02 **Wide Range & High Accuracy of CO2**

0ppm ~ 10,000 ppm, ± (40ppm+3%*MV)

03 **High performance**

high accuracy, fast response, and superior stability

04 **Wide-range Power Supply and 2 protocols**

5V ~ 24V power supply, support RS485(Modbus -RTU / Modbus -ASCII) and SDI-12 protocols

05 **User-friendly**

factory-calibrated, supports custom calibration by pressing keys or using commands, easy to install and integrate

06 **Connect with 4G Sensor Hub or LoRaWAN Data Logger for Remote Transmission**

Product Gallery









Applications

- Smart Agriculture
- Smart Cities
- Industry and Building ventilation systems
- Airport, train station, shopping mall, home, office, classroom, and others
- public places for air quality measurement and indication
- Lab, warehouse, and other places to monitor the CO2 level

Resource Links

- https://www.seeedstudio.com/SenseCAP-CO2-Temperature-and-Humidity-Sensor-with-RS485-SDI-12-Connector-p-5719.html
- CO2 Sensor Datasheet(S-CO2-03)

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