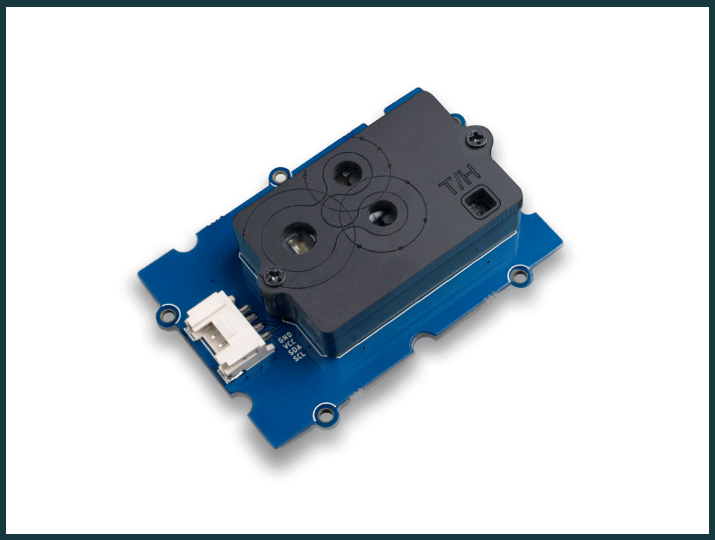
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INDUSTRIAL PRODUCT DATASHEET

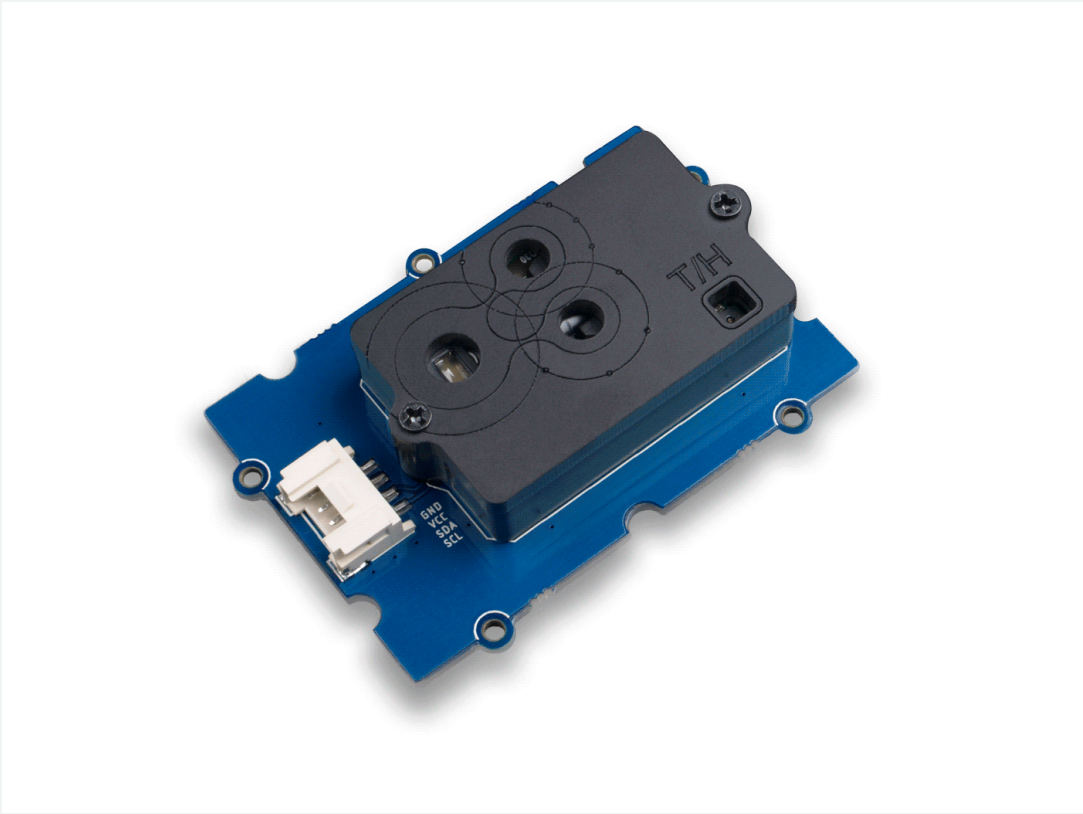
Grove - CO2 & Temperature & Humidity Sensor (SCD30) - NDIR technology, algorithms, ideal for Smart Ventilation System

The Grove - SCD30 is an Arduino-compatible 3-in-1 environmental sensor for CO2, temperature, and humidity measurement.

SKU	UPDATED	PRICE
101020634	2026-11-11 08:14:37	$59.99(Excl. VAT)



Overview



The Grove - SCD30 is an Arduino-compatible 3-in-1 environmental sensor for CO2, temperature, and humidity measurement. Based on Sensirion SCD30, its Non-Dispersive Infrared(NDIR) technology enables high accuracy and wide measurement range, and can measture humidity and teamperature by algorithm through modelling and compensating of external heat sources. Easily integrate into various Environmental Monitoring applications such as Smart Ventilation System.

Key Features

01 **NDIR CO2 sensor technology**

Embedded Sensirion SCD30 enables a high accuracy of ±(30 ppm + 3%) and a wide measurement range of 400ppm to 10'000ppm

02 **3-in-1 environmental sensor**

Integrated humidity and temperature sensor comes with algorithm that can output data through modeling and compensating of external heat sources

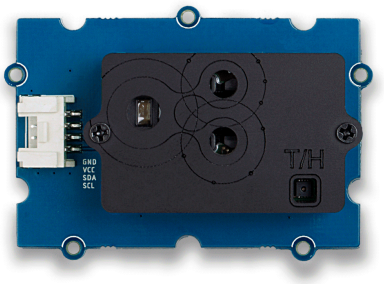
03 **Outstanding stability**

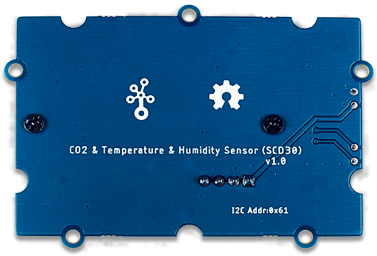
Dual-channel detection of carbon dioxide concentration

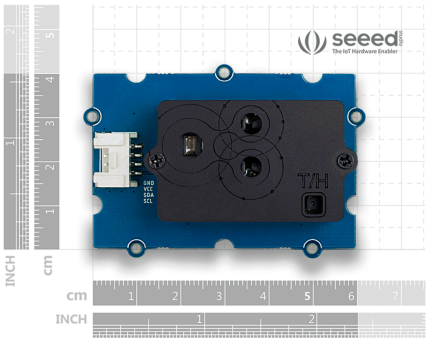
04 **Easy project operation**

Digital interface I2C, Breadboard-friendly, Grove compatible

Product Gallery







Resource Links

- https://www.seeedstudio.com/Grove-CO2-Temperature-Humidity-Sensor-SCD30-p-2911.html
- Grove - CO2 & Temperature & Humidity Sensor (SCD30) Schematic file
- SCD30 Design-In Guideline
- SCD30 Datasheet
- SCD30 Interface Description
- Community Innovations: A Showcase of Sensirion-Based Grove Projects

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