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CO2 monitoring with WioTerminal

A CO2 monitoring kit with WioTerminal for real-time indoor air quality visualization and alerts.

SKU	UPDATED
E21011116	2025-09-02 05:55:09



Overview



This kit provides the components to build a CO2 monitoring system using the WioTerminal and Grove - SCD30 sensor. It enables real-time visualization of CO2 data directly on the WioTerminal display.

Key Features

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CO2 monitoring with WioTerminal

SKU

E21011116

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This kit provides the components needed to implement a CO2 monitoring system using WioTerminal. Including WioTermianl, Grove-SCD30, Grove cable,etc. This system can continuously measure indoor air quality and remind the room to ventilate.

Wio Terminal
Wio Terminal (2.4GHz/5GHz WiFi, BLE 5.0)1$29.00
Grove
Grove - Universal 4 Pin Buckled 30cm Cable (5 PCs Pack)1$2.50
Grove - CO2 & Temperature & Humidity Sensor (SCD30) - NDIR technology, algorithms, ideal for Smart Ventilation System1$59.99
$91.49

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Wio Terminal Quantity
1 x Wio Terminal (2.4GHz/5GHz WiFi, BLE 5.0) +
Grove Quantity
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Grove - CO2 & Temperature & Humidity Sensor (SCD30) - NDIR technology, algorithms, ideal for Smart Ventilation System
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☑
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$2.50

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Description

Description

This kit provides the components needed to implement a CO2 monitoring system using WioTerminal and CO2 sensors. This is a simple IoT project, which uses components including WioTermianl, Grove-SCD30, Grove cableetc. This system can continuously measure indoor air quality and remind the room to ventilate, which is an item related to people's health.

KeHoSoftware provides us with a tutorial for implementing a CO2 monitoring system using WioTerminal and CO2 sensor. The system uses Wio terminal to connect CO2 Grove-CO2 & Temperature & Humidity Sensor for Arduino (SCD30). The data can be visualized from the display screen of the Wio terminal. If the CO2 concentration parameter reaches an unsatisfactory level, a reminder will be generated telling you to open the window for ventilation.

Before officially starting this project, you should prepare the listed WioTerminal, GroveGrove-CO2 & Temperature & Humidity Sensor for Arduino (SCD30), Grove cable, etc. After preparing these things, we can start to build our CO2 monitoring system!

The main process includes collecting the hardware, adding external libraries to compile the code correctly, configuring the Android mobile application, debugging and running. For specific operations, please refer to **CO2 monitoring with WioTerminal**.

Features

- Monitoring data visualization-real-time display on WioTerminal
- IoT-based air quality solution-carbon dioxide CO2

Application

- CO2 air quality monitoring

Documentations

CO2 monitoring with WioTerminal- Credits to **KeHoSoftware**

Product Gallery



Applications

- **CO2 air quality monitoring**

Resource Links

- https://www.seeedstudio.com/CO2-monitoring-with-WioTerminal-p-5230.html

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