



## Air Quality Monitor Cube Hexagon CO2, RH, Temp

G G00TH

[VIEW IN BROWSER](#)

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### Summary

Simple but good air quality sensor based on an ESP32 and an Sensirion SCD30 sensor.

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Tags: [sensor](#) [electronics](#) [airquality](#) [airqualitysensor](#)

This is a simple but good air quality sensor based on an ESP32 and an Sensirion SCD30 sensor. The electronics and programming are very simple and should be feasible for everyone. The print does not require any special settings either, but I recommend support at the front to support the structure above the display. The cost for everything is about \$70, you may be able to get the sensor cheaper at a local retailer than on Amazon. I will publish a Homeassistant/MQTT integration in a few days.

Parts used:

[Display](#)

[ESP32 Dev kit](#)

[Jumper Cable](#)

[Sensor](#)

Screws (2x10mm)

Mini breadboard or lyster clip or Wago clip. If you have a soldering iron, you can also solder the wiring.

Software: <https://spacepc.de/luftqualitaetssensor-mittels-esp32-co2-luftfeuchtigkeit-temperatur/>

## Model files



**air-quality-monitor-top.stl**



**air-quality-monitor.stl**

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