

# CO<sub>2</sub> Stoplicht

## CO<sub>2</sub> Stoplicht

Measurement and monitoring of air quality.

Based on various scientific studies on air quality and ventilation technology, we have developed a 'CO<sub>2</sub> Stoplicht' that gives an indication of the air quality in the measured space.

The CO<sub>2</sub> stoplicht measures amount of CO<sub>2</sub> (ppm), temperature and humidity and changes colour when the measured amount of CO<sub>2</sub> in the air exceeds the set thresholds.

These thresholds are based on the international standard DIN EN: 16798-1:2019, which relates to ventilaton and air quality in buildings.

The moment the 'CO<sub>2</sub> stoplicht' turns orange, this is a warning that indicates the air quality has become worse. This gives people the time to take action. When the CO<sub>2</sub> stoplicht turns red, it indicates that the room must be ventilated immediately or that the room has to be vacated (temporarily).

In addition to the signalling function through the LEDs, the CO<sub>2</sub> Stoplicht is also equipped with wireless communication via LoRaWAN or optionally via WiFi. This makes it possible to log the measurements digitally and issue notifications (e.g. via an app or online dashboard).

Would you like to request more information or a (digital) demo?

Visit our website: [www.co2-stoplicht.online](http://www.co2-stoplicht.online).



## Specificaties

|                        |  |
|------------------------|--|
| CO <sub>2</sub> sensor |  |
| Measurement range:     | 400 ppm - 10.000 ppm                       |
| Accuracy:              | ± 30 ppm                                   |
| Temperature sensor     |  |
| Measurement range:     | - 20 °C till + 50 °C                       |
| Accuracy:              | ± 0,4 °C                                   |
| Humidity               |  |
| Measurement range:     | 0 % RH - 100% RH                           |
| Accuracy:              | ± 3 %RH                                    |
| Power Supply           | 5V DC power supply                         |
| Wireless communication |  |
| LoRaWAN:               | 868 MHz (863 - 870 MHz), Class A ('Basic') |
| Physically             |  |
| Size:                  | H: 166 mm, Ø: 85 mm                        |
| Weight:                | ± 480 grams                                |
| Material:              | ABS  |