



How to measure CO₂ the right way?



We humans are vulnerable to viruses. Limit the spread of the coronavirus by measuring CO₂ in public spaces. Healthy air is a must have in, for example, the workplace and public spaces such as schools.

What is CO₂



CO₂ stands for carbon-dioxide and is measured in Parts per Million (PPM). People also exhale CO₂.

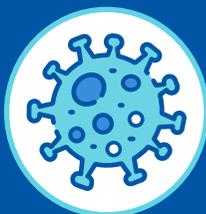
CO₂ concentrations have increased due to the use of fossil fuels. It therefore plays a major role in climate change.



There are government guidelines on the allowed amount of CO₂ in (public) indoor spaces.

Netherlands: 800 PPM
Belgium: 900 PPM

The amount of CO₂ in a room indicates how (un)healthy the air is. It is a measure of the risk of spreading the coronavirus.



Measure CO₂

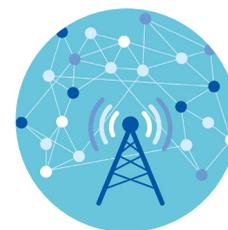
1 Wireless CO₂-sensor



CO₂ can easily be measured with a wireless sensor. It measures the ventilation real time and actual PPM value in a room. They help to improve the air quality. This way you can make data-based decisions. The data answers questions such as "is a room sufficiently ventilated", "do the windows have to be opened or closed" and "is it better to place a smaller class/group of people in the room".

2 Private LoRa-network

You can connect an unlimited number of CO₂ sensors to a Private LoRa network. A LoRa-Gateway builds a shielded network that is needed to read out the CO₂ sensors. The data from these sensors is sent to an application via a secure VPN connection from the Gateway. The data thus remains secure within the own network and is not accessible to unauthorized persons.



3 Data-analysis

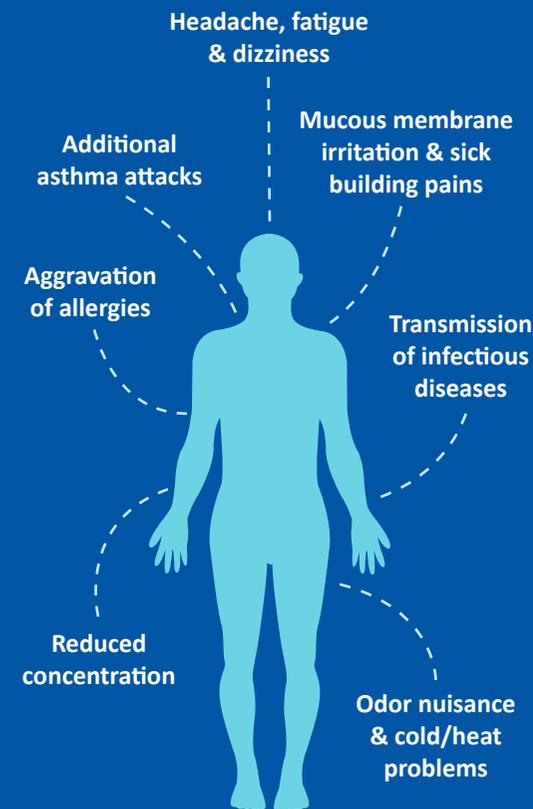


In the application you can directly view the CO₂ values in clear dashboards. In addition, you will also receive alarms if the CO₂ values exceed a threshold (self-adjusted limit values).

Critical ventilation

Virus particles can easily spread through a room. Good ventilation is therefore crucial. For better removal and reduction of the number of virus particles in the air.

If this does not happen, the CO₂ levels will increase. This can lead to all kinds of physical complaints:



Do you also want to start measuring CO₂? Or do you want to look at the possibilities for your organization?

[Contact us](#). We are happy to help you!