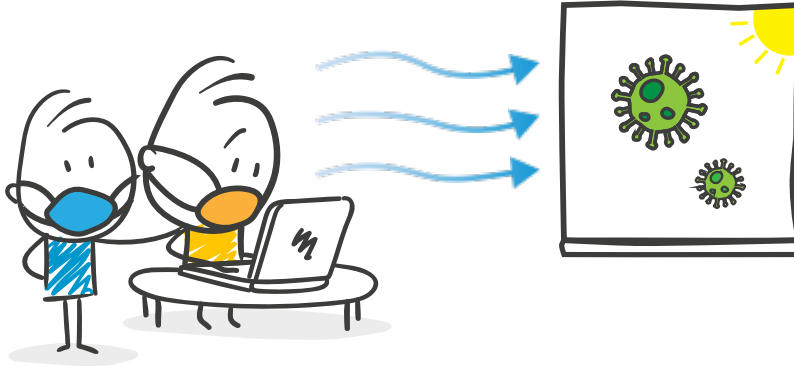


Topic:

Monitor and improve air quality to prevent aerosol infections



Although air quality should play a role not only in times of acute threats caused by highly infectious viruses, it is then that particular attention is paid to it.

According to current understanding a significant fraction of coronavirus infections is caused by aerosols, tiny drops of liquid. These microparticles are given off to our surroundings when we breathe, laugh, speak and of course cough. Because of their very light weight they can remain suspended in room air for long periods of time and contain potentially infectious viruses. Top-ranking virologists assert that just as many infections are caused by aerosols as by droplet transmission.

The risk of infection from aerosols is especially great wherever many people are in the same room and exhaling - an estimated eight liters of air per nose per minute is the estimate. Contained in the exhaled air is CO₂, carbon dioxide. And wherever a large quantity of exhaled CO₂ is present in the air, many aerosols are also present.

Regular and intensive ventilation is therefore an important component in fighting the coronavirus SARS-CoV-2. But especially in the cold season it is difficult to achieve an evenly effective and acceptable ventilation rhythm.

The timeair from Wiesemann & Theis measures the CO₂ concentration in the room air and determines the time remaining until the next air exchange. In contrast to simple CO₂ sensors the timeair indicates not only the actual carbon dioxide concentration of the ambient air, but also uses 12 LEDs to represent the remaining time until a critical limit is reached. Users can then better plan their response and don't get an alarm only when it is actually too late.

The Web Thermometers from Wiesemann & Theis monitor both the inside air CO₂ and VOC values and make them available in the network. The devices feature an integrated data logger and numerous Web and network services.

Products

#97200



timeair

simply. correctly. ventilate.

#57721

Web-IO CO₂

Carbon dioxide

#57728



Web-Thermometer Air Quality

Temperature, relative humidity & air quality (TVOC)

More about the timeair

Flyer

Fresh. Air. Security.

Operating manual

For the operating manual at
timeair.de



Find the shop for private
customers at timeair.de

Tutorials on the Web Thermometers

Read climate data directly in
your browser

Temperature and relative
humidity values can be shown
directly in the web browser.
Learn here how that works.

Keep an eye on climate
date with email notifications

Sending a message when
limits are violated or at timed
intervals via email.

More on the subject "Monitor air quality"

Interview with virologist
Prof. Dr. Drosten

Prof. Dr. Christian Drosten,
Director of the Institute for
Virology at the Charité in
Berlin, explains his view of
virus transmission.

VOC (Volatile Organic
Compounds)

What are volatile organic
materials and where do they
come from?

Product overview

Here you will learn in a short
video the key data about the
W&T Web Thermometer for
measuring temperature,
relative humidity, barometric
pressure and air quality.



www.wut.de

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