

Topic page:

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. Virologist Prof. Christian Drosten asserts that just as many infections are caused by aerosols as by droplet transmission.

This means regular and intensive ventilation is an important component in fighting the SARS-CoV-2 coronavirus. With the W&T Web Thermometers for VOC and CO₂ you can detect and monitor room air quality and send alarm messages when the value falls below a critical level. This tells you if you have forgotten even once to ventilate.

Products



Web-IO CO₂

The Web-IO CO₂ is a network-capable measuring device for carbon dioxide concentration in ambient air.

Web-Thermometer Air Quality

Not only a high CO₂ component in the ambient air but also high VOC values can be an indication of poorly ventilated rooms.

More on the topic

Interview with virologist Prof. Drosten

Prof. Christian Drosten, Director of the Institute for Virology at the Charité in Berlin, outlines his views on virus transmission by aerosols.

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.