

HOW TO



REDUCE THE RISK OF COVID-19 INFECTION WITH ARANET4

- ⚠ Studies demonstrate that COVID-19 is spread via aerosols
- ⚠ Proper ventilation can reduce the risk of COVID-19 infection
- ⚠ CO₂ concentration can be used as an air quality indicator and can be monitored with sensors such as Aranet4
- ⚠ Aranet4 warns you when the air quality has deteriorated, and you should improve air exchange



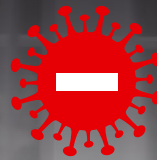
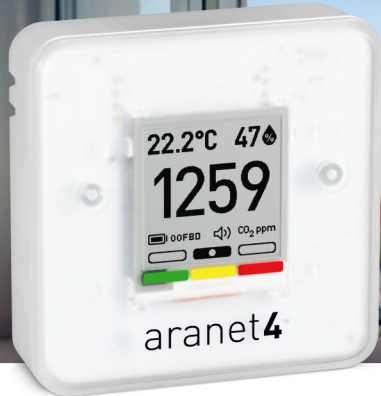
The virus may remain infectious in the air for one to two hours

The Centers for Disease Control and Prevention and The World Health Organization state that aerosols are a transmission route for the COVID-19 virus. ^{1 2} Aerosols are small droplets, usually a few microns in size, and they are released during talking, singing, coughing, sneezing, or simply breathing. **These particles have been shown to contain the COVID-19 virus ^{3 4} which may remain infectious for one to two hours at a typical room temperature (~20 °C or 70 °F) ³.**



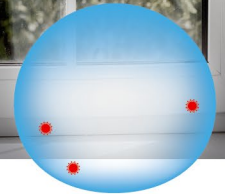
10 min – 10 h

It takes 10min to 10h to air the space out to remove aerosols and virus particles



12 h

Without ventilation, aerosols can remain in the air for up to 12 hours



The danger lies in the fact that due to their small size these aerosols can remain in the air for up to 12 hours. ³ It has been shown that **proper ventilation can significantly shorten the time it takes to remove most of the aerosols.**

The time needed to remove aerosols and the potential virus particles in indoor spaces ranges from 10 minutes to 10 hours, depending on the number of people in it, activities held, and options for ventilation. ³

The Federation of European Heating, Ventilation and Air Conditioning Associations (REHVA) recommends using CO₂ measuring devices indoors to assess risks of SARS-CoV-2 transmission via aerosols ^{5 6}. CO₂ is a gas produced when we exhale so its concentration can be a good indicator of insufficient ventilation and aerosols and virus particles potentially lingering in the air.



Aranet4 is an easy-to-use CO₂ monitoring device that immediately signals when ventilation is insufficient and you are at an elevated risk of COVID-19 infection. Visual color indicators, as well as a buzzer, will notify you when action (opening windows, turning up the ventilation, or leaving the room altogether) must be taken.

Use Aranet4 to make your facilities safer and reduce the risk of COVID-19 spread!

CLICK HERE

to discover all the possibilities of the Aranet4 monitoring solution

¹ <https://www.cdc.gov/coronavirus/2019-ncov/hcp/non-us-settings/overview/index.html>

² <https://www.who.int/news-room/questions-and-answers/item/coronavirus-disease-covid-19-how-is-it-transmitted>

³ <http://tinyurl.com/faqs-aerosol> Version: 1.88, 13-Aug-2021

⁴ <https://www.medrxiv.org/content/10.1101/2020.03.23.20039446v3>

⁵ https://www.rehva.eu/fileadmin/user_upload/REHVA_COVID-19_guidance_document_V3_03082020.pdf

⁶ https://www.rehva.eu/fileadmin/user_upload/REHVA_COVID-19_Guidance_School_Buildings.pdf