

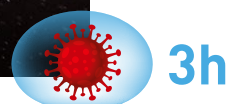
# HOW TO REDUCE THE RISK

## OF COVID-19 INFECTION WITH ARANET4

- ⚠ Many studies demonstrate that COVID-19 can be spread by aerosols
- ⚠ Proper ventilation can reduce the risk of COVID-19 infection
- ⚠ CO<sub>2</sub> concentration be used as an air quality indicator and can be monitored with sensors such as Aranet4
- ⚠ Aranet4 warns when the air quality has become unhealthy and you should take care of the airflow in the room



A mounting body of evidence <sup>1 4</sup> reveals that aerosols are a possible transmission route for the SARS-CoV-2 virus. Aerosols are small droplets averaging around 5 µm in size and they are released during talking, singing, coughing and sneezing. **These particles have been shown to contain the SARS-CoV-2 virus <sup>2</sup> which may remain infectious for up to 3 h. <sup>3</sup>**





30s



9min

The danger lies in the fact that due to their small size these aerosols can remain in the air for up to 9 minutes. <sup>4</sup> It has been shown that **proper ventilation can shorten the time it takes to remove most of the small droplets down to 30 seconds <sup>4</sup> making indoor spaces safer.**

The Federation of European Heating, Ventilation and Air Conditioning Associations (REHVA) recommends **using CO<sub>2</sub> measuring devices indoors to assess risks of SARS-CoV-2 transmission** via aerosols <sup>5 6</sup>. CO<sub>2</sub> is a gas produced when we breathe and its concentration can be a good indicator of insufficient ventilation.



**Aranet4 is an easy to use CO<sub>2</sub> monitoring device that lets you know right away if the ventilation is sufficient and whether you are at an elevated risk of SARS-CoV-2 infection via aerosols.** Visual color indicators as well as a sound alarm will notify you when action (opening windows, turning up the ventilation or leaving the room all together) must be taken.

You can only improve what you can measure. Let Aranet4 make your facilities safer!

**CLICK HERE**

**TO DISCOVER ALL THE POSSIBILITIES OF THE ARANET4 MONITORING SOLUTION.**

<sup>1</sup> Allen, J.; Marr, L. Re-thinking the Potential for Airborne Transmission of SARS-CoV-2. Preprints 2020, 2020050126 (doi: 10.20944/preprints202005.0126.v1)

<sup>2</sup> <https://www.medrxiv.org/content/10.1101/2020.03.23.20039446v3>

<sup>3</sup> <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7121658/>

<sup>4</sup> <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7255254/>

<sup>5</sup> [https://www.rehva.eu/fileadmin/user\\_upload/REHVA\\_COVID-19\\_guidance\\_document\\_V3\\_03082020.pdf](https://www.rehva.eu/fileadmin/user_upload/REHVA_COVID-19_guidance_document_V3_03082020.pdf)

<sup>6</sup> [https://www.rehva.eu/fileadmin/user\\_upload/REHVA\\_COVID-19\\_Guidance\\_School\\_Buildings.pdf](https://www.rehva.eu/fileadmin/user_upload/REHVA_COVID-19_Guidance_School_Buildings.pdf)