Ventilation and Hygiene to Protect against Viruses in the Winter

Sufficient ventilation and compliance with hygiene standards help to reduce the spread of infectious diseases. The German „SARS-CoV-2 industrial safety regulation“ of 20 August 2020 states in section 4.2.3 Ventilation that increased ventilation can reduce the concentration of virus-contaminated aerosols in the room air.

When we breathe, the air is not only enriched with CO₂ but also permanently with tiny particles that float in the air and can potentially be contaminated with viruses. The concentration of these aerosols can be monitored with aerosol meters.

We would like to show you some of our air quality meters for CO₂ and aerosols. We also recommend an ATP hygiene tester which can be used to check the cleaning success on surfaces and in water:

**Carbon dioxide meter PCE-CMM 5**
- CO₂ measurement 400 ... 5,000 ppm
- Numerical display with traffic light function
- Graphical display with 5-hour history
- Temperature and humidity
- Battery and mains operation

**Aerosol monitor PCE-RCM 15**
- Particle sizes 1; 2.5 and 10 µm
- Display in µg/m³ with traffic light function
- Formaldehyde HCHO (CH₂O) in mg/m
- Temperature and humidity
- TVOC - volatile organic compounds
- Alarm function
Carbon dioxide meter PCE-CMM 10

- CO₂ measurement 400 ... 5,000 ppm
- Traffic light function (red colouring of the display)
- Alarm for CO₂
- Temperature and humidity
- Battery and mains operation

Carbon dioxide meter PCE-AQD 10

- CO₂ measurement 0 ... 4,000 ppm
- Data memory: SD card max. 16 GB
- Storage rate selectable from 1 s to 600 s
- Temperature and humidity
- RS232 interface

CO₂ and aerosol monitor PCE-RCM 12

- CO₂ measurement 0 ... 9,999 ppm
- Aerosols as 2.5 and 10 µm particles
- Formaldehyde HCHO (CH₂O)
- Temperature and humidity
- Traffic light function for CO₂, particles, HCHO
- Memory for 5,000 data sets
Aerosol monitors PCE-MPC 20 und PCE-MPC 30

- Particle sizes 0.3, 2.5 and 10 µm
- Cumulative or differential counting
- Traffic light function for particles
- Temperature and humidity
- Dew point and wet bulb temperature
- Memory for 5,000 data records
- **PCE-MPC 30** with HCHO

Air sampler PCE-RCM 10

- Particle sizes 2.5 and 10 µm
- Particle display in µg/m³
- Graphical history
- Temperature and humidity
- Traffic light function for particles

Aerosol monitor PCE-RCM 11

- Particle sizes 2.5 and 10 µm
- Formaldehyde HCHO (CH₂O)
- TVOC (volatile organic compounds)
- Temperature and humidity
- Traffic light function for particles, HCHO, TVOC
- Memory for 5,000 records
CO₂ und aerosol monitor PCE-AQD 20

- CO₂ measurement 0 ... 10,000 ppm
- Particles 2.5 µm in µg/m³
- Traffic light function for particles
- Temperature, humidity, air pressure
- RS232 and alarm interface
- Data memory: SD card up to 32 GB

Aerosol monitor PCE-PCO 1

- Particles 0.3/0.5/1.0/2.5/5.0/10 µm
- Particle display in µg/m³
- Traffic light function for particles
- Temperature and humidity
- Image and video recording
- Internal memory 80 MB

Hygiene tester for surfaces and water PCE-ATP 1

- Measurement range: 0 ... 999,999 RLUs
- Measures by means of bioluminescence
- Hygiene tests in only 10 seconds
- Automatic calibration
- Memory for 10,000 data records
- USB and Bluetooth

Subject to change