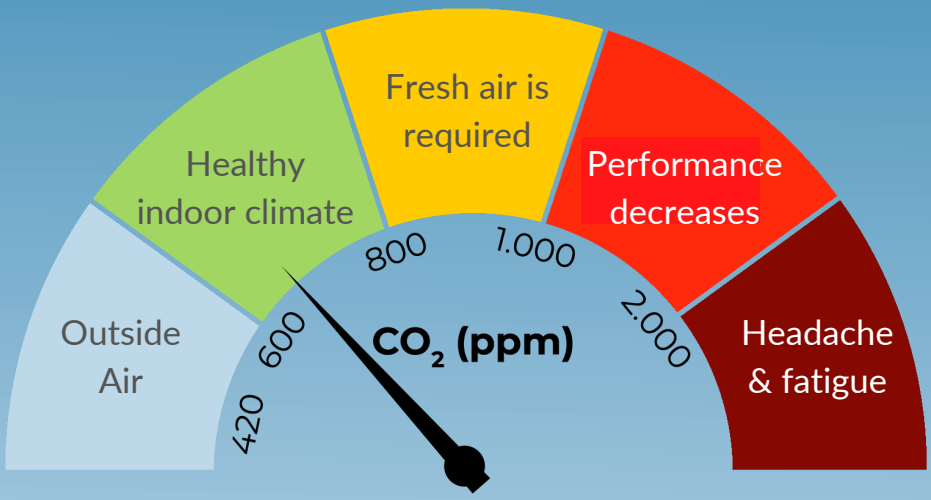
CO_2 MEASUREMENT

A FIRST STEP TO

#Clean Air

For better air quality and infection control indoors



CO_2 measuring devices show when and for how long fresh air should be provided

#Clear Air

Find the ideal mix of ventilation success, comfort, and energy efficiency with the help of CO_2 measurement!

1 CO_2 SENSOR: ADJUSTMENT & INSTALLATION

Setting the ppm limit values for the CO_2 traffic light:

up to 800 ppm **800-1000 ppm** **over 1000 ppm**

Measuring interval: 1 minute and alarm tone at 1000 ppm.
Installation indoors approx. 1.2 - 1.5 m above the floor, at least 1 m away from people, doors and windows.

2 WHY CO_2 MEASUREMENT?

The required intensity of ventilation depends on the number and size of windows, the temperature differences between indoor and outdoor air, and the number of people present. CO_2 sensors reliably show when and for how long fresh air should be provided.

Typical chart of CO_2 concentration during a school day in a classroom without adequate ventilation

3 HOW TO VENTILATE

Practice shows that there is no standard model for ventilation.
If a room is used by many people, continuous window ventilation is a good way to maintain the recommended CO_2 values. Constantly tilted windows (e.g. skylight windows) or rotating windows that are opened wide enable a constant exchange of air (see guidelines of the Future Operations platform: https://tinyurl.com/saubere-luft).
If the critical CO_2 concentration is exceeded, extra ventilation periods are recommended in addition to or as an alternative to continuous/tilt ventilation.
HEPA air purifiers can futher be used to improve air quality.

4 LEAVING THE ROOM

When leaving the room, and especially overnight, close all windows to prevent the room from cooling down.

5 MAINTENANCE

Regular calibration according to the manufacturer's instructions is important in order to determine correctly measured values.
Place the sensor to outdoor air once a week; after 15 minutes the value should be 420 ± 50 ppm. Otherwise calibrate manually.

If you have any questions, write us! hello@igoe.at

Imprint:
Initiative Gesundes Österreich
Gisela-Legath-Gasse 5/1
1220 Vienna www.igoe.at