



FuehlerSystems eNET International
The Brand for Sensor Technology

Ventilate properly! Why and when?

CO2-Traffic Light

CO2-Traffic Lights: Recommended by RKI

Ventilate more effectively

Reduce the risk of infection



Why ventilate?

- regular ventilation significantly reduces the risk of infection (RKI)
- increases the ability to concentrate and prevents symptoms of fatigue

When to ventilate?

- the air quality can be assessed using the CO2 concentration in the room
- from 1000 ppm CO2 the room should be ventilated
- ventilation is urgently required from 1500 ppm

How to determine?

- CO2 is an odorless gas - only a measuring device can determine the CO2 concentration in the room

Why traffic light?

- at the CO2 traffic light by FuehlerSystems, the recommended limit values can be quickly identified at a glance
- easy to understand if ventilation is useful or even necessary



Guide values

Our CO2 traffic light FS4085 is based on the requirements of the German Bundesumweltamt (Federal Environment Agency.)

To make it easy for all users to read the values, the values have been converted into a well-known, easily understandable traffic light system.

The CO2 traffic light is used in rooms in which several people are usually present (schools, kindergartens, daycare centers, conference rooms, etc.).



Suitable for wall mounting

- long holes for precise installation
- additional mini-USB socket on the side
- thermal decoupling

Simple, flexible and portable installation

- plug-in power supply 5V mini USB
- freely positionable in room
- metal table stand pre-assembled
- plug and play

CO2-Traffic Light FS4085 with table stand

<1000 ppm

Hygienically harmless

The air quality is good.

No action necessary.

1000 ppm
-
1500 ppm

Hygienically conspicuous

Fatigue and Concentration problems can occur.

Check and improve ventilation behavior.

>1500 ppm

Hygienically unacceptable

With a CO2 value of over 1500 ppm, an increased bacterial concentration and infection rate can be assumed.

Ventilation strongly recommended. If this is exceeded for a longer period, the ventilation of the room must be checked.



Acoustic signaling

- piezo buzzer from alarm threshold (adjustable via potentiometer)
- you don't have to look at the device
- suitable for the visually impaired
- a mute button is used to deactivate the buzzer signal for 10 minutes or permanently if necessary

High quality sensors

- NDIR sensor for accurate measurement
- long lifetime
- fast response time

Automatic calibration

- the device calibrates itself
- fresh air supply only 10 minutes
- only necessary once a week

Best quality

- high quality components
- modern series production
- automated test / calibration facilities
- 100% final inspection
- Made in Germany





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Variants



Variant	3 LED-Traffic light	Relay	Piezo	Humidity/Temperature
3 LED-Traffic light		x	x	
6 LED-Traffic light		x	x	
10 LED-Traffic light		x	x	
Display	x	x	x	x

Optional Accessories



FS9501-5V-1.8
USB-power supply 5 V DC

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