

# AIR QUALITY SENSORS / CO2 MONITOR

## CO<sub>2</sub>-monitor GS 42.0x pro



### Accessories



Back part for surface wiring 200.004

### Overview

- CO<sub>2</sub>-sensor / CO<sub>2</sub>-monitor
- Measurement of an aerosol equivalent
- LED signal
- Maintenance-free through self-calibration
- 3 open-collector outputs
- Acoustic signaling deactivatable
- Mute function
- Ventilation advice:
  - Start at 1000 ppm (LED green to yellow, buzzer every 5 minutes)
  - Stop at 800 ppm (LED yellow to green)
- Easy installation and mounting
- Modern and planar design
- Wall mounting

#### Note:

- The 230 V AC to 12 V DC flush-mounted power supply within GS 42.00 pro doesn't fit in the back part 200.004, the back part is only for surface wiring. Hence, it is recommended to install the power supply in a wall or junction box.

### Information about CO<sub>2</sub> and Covid-19

- Every person is emitting CO<sub>2</sub> and aerosols e.g. during breathing. Today **aerosols are claimed to be one of the transmission ways of SARS-CoV-2**. CO<sub>2</sub>-concentrations can be measured and the correlation between the CO<sub>2</sub> and the aerosol concentration can be used for analytical investigations, which use the measured CO<sub>2</sub>-concentration to calculate a likely aerosol concentration. (TU Berlin)
- A longer stay in small, bad or not ventilated room can increase the probability of a Covid-19 spread by aerosols even on bigger distances over 2 m. (RKI)
- The use of our CO<sub>2</sub>-sensors and the resulting room ventilation **helps minimizing the risk of infection** e.g. in schools or offices, gyms, restaurants or other premises where several people stay together.

### Order numbers

■ m ü l l e r	
GS 42.00 pro	Power supply for flush-mounting
GS 42.01 pro	Power supply with Europlug / wall plug incl. back part 200.004

# AIR QUALITY SENSORS / CO<sub>2</sub> MONITOR

## CO<sub>2</sub>-monitor GS 42.0x pro

### Order information

	EAN	Art. No.
GS 42.00 pro	4022709241467	24146
GS 42.01 pro	4022709241825	24182

### Technical data

Supply voltage	12 V DC & 110-230 V AC separate power supply included
Power supply GS 42.00 pro	Power supply for flush-mounting 110-230 V AC 31,7 x 26,7 x 21,8 mm with cables (litz wires)
Power supply GS 42.01 pro	Europlug transformer 110-230 V AC (wall plug)
Sensors	CO <sub>2</sub>
Visual information	3 LEDs
Threshold yellow	900 ppm (hysteresis +/- 100 ppm)
Threshold red	1900 ppm (hysteresis +/- 100 ppm)
Outputs	3x „open-collector“ output with the following specifications: ▪ ext. supply voltage U max = 50 V DC ▪ max. current I max = 45 mA
Permitted ambient temperature	0°...+50° C
Housing	self-extinguishing thermoplastic
Dimensions	80,5 x 80,5 x 17 mm
Housing color	studio white (similar to RAL 9016) specific colors on request
Mounting	wall mounting (preferably combined with flush-mounting box)
Type of protection	IP 20 (DIN EN 60529)
Class of protection	III when installed according to regulations

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