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AIR QUALITY SENSORS / CO2 MONITOR

CO₂-monitor GS 42.0x pro



Accessories



Back part for surface wiring 200.004

Overview

- CO₂-sensor / CO₂-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

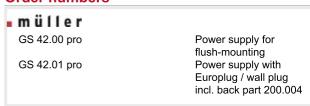
Note:

■ 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 CO2 and Covid-19

- Every person is emitting CO₂ and aerosols e.g. during breathing. Today aerosols are claimed to be one of the transmission ways of SARS-CoV-2. CO₂concentrations can be measured and the correlation between the CO₂ and the aerosol concentration can be used for analytical investigations, which use the measured CO₂-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 CO₂-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



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CO₂-monitor GS 42.0x pro

Order information

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

Technical data

| recilifical 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_2 | |
| 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 (preferrably 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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