

CO2 Analyser PCE-CMM 5



CO2 analyser, temperature and humidity / traffic light function 5h progress display / battery and mains operation

The CO2 Analyser is a CO2 measuring device for desktop use. The carbon dioxide meter measures the CO2 content in the air and shows the measured value on a large LC display. The CO2 content in the air is an important measure for checking the ventilation behaviour in offices, classrooms, lecture halls, etc. The CO2 / carbon dioxide measuring device helps to ensure that, for example, there is regular ventilation for employees in the office. The CO2 / carbon dioxide measuring device checks indoor air quality via the CO2 content. If the CO2 concentration is below 1000 ppm, the indoor air quality is optimal. Good indoor air quality helps to promote concentration. It is also ensured that the aerosol concentration in the air is low, as the aerosols are repeatedly mixed with fresh air. The CO2 / carbon dioxide measuring device shows the air quality as a numerical measured value and as a traffic light indicator. At the push of a button, the CO2 content of the last five hours can be shown on the display. In addition to the CO2 measuring function, the CO2 / carbon dioxide measuring device is equipped with a sensor for temperature and humidity.

The sensors for monitoring the air quality are subject to different requirements than those in industrial or scientific laboratory use. The focus is therefore on sensor properties such as high long-term stability, low maintenance and low energy consumption. This is fulfilled by the indoor air quality measuring device with its NDIR sensor. The non-dispersive infrared (NDIR) absorption measurement enables precise and long-term stable measurements with an absolute measuring range of up to 5000 ppm.

- ▶ large CO2 measuring range up to 5000 ppm
- ▶ maintenance-free NDIR CO2 sensor
- ▶ traffic light function for carbon dioxide
- ▶ measures temperature and humidity
- ▶ 5 h graph for long-term monitoring
- ▶ battery and mains operation
- ▶ 4.3" graphic display
- ▶ date and time display

Specifications

Measured variable CO2

Measuring range	400 ... 5000 ppm
Accuracy	± 75ppm or ±5 % of measured value (whichever is greater)
Resolution	1ppm
Sensor type CO2	NDIR Sensor

Measured variable temperature

Measuring range	-10 ... 50 °C
Accuracy	±1 °C
Resolution	1 °C

Measured variable air humidity

Measuring range	20 ... 95 % r.H.
Accuracy	±4 % r.H.
Resolution	1 % r.H.
Sampling rate	1.5 s

Display	4.3" LC Display
Power supply	3.7 V Li-Ion battery 3000 mAh 5 V Micro-USB
Battery life	ca. 6 h
Charging time	ca. 2 h
Ambient conditions	-10 ... 50 °C / 20 ... 85 % r.H.
Dimensions	145 x 78 x 97.2 mm
Weight	210 g

Subject to change

