

# CO2 Analyzer PCE-AQD 20



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**Air quality data logger for 5 parameters / Measures temperature, humidity, CO2, PM2.5 and air pressure / SD storage / XLS format / Large LCD / Mains and battery operation**

The air quality data logger PCE-AQD 20 is an ideal measuring device for monitoring the air quality at workplaces. The air quality data logger is ideal for continuous logging of air temperature, humidity, CO<sub>2</sub>, PM<sub>2.5</sub> and air pressure. All these parameters give the occupational safety expert information about the air quality. The measured values are stored by the CO<sub>2</sub> air quality data logger on an SD memory card.

The format is XLS, so the measured values can be read directly into Excel, without having to be incorporated into a new software. The measured values are displayed on the large, illuminated display. The air quality data logger is operated by batteries or 9 V power supply unit. As a special feature, this air quality data logger is equipped with an alarm function. This offers the possibility to inform the user about an exceeding of temperature, air humidity or dust load. In addition to the measured values, the air quality data logger also informs about the current time.

- ▶ 5 measuring functions
- ▶ Excel data logger on SD card
- ▶ Large display
- ▶ Battery and mains operation
- ▶ Ideal for workplace monitoring
- ▶ Alarm function

# Specifications

## Measurement function PM2.5

Measuring range	<b>0 ... 250 <math>\mu\text{m} / \text{m}^3</math></b>
Resolution	1 $\mu\text{m} / \text{m}^3$
Accuracy	$\pm$ (10% of rdg. + 15 $\mu\text{m}$ )

## Measuring function humidity

Measuring range	<b>5 ... 95% rh</b>
Resolution	0.1% RH
Accuracy	> 70% RH: $\pm$ (3% of the prev + 1% RH) <70% RH: $\pm$ 3% RH

## Measuring function temperature

Measuring range	<b>0 ... 50°C / 32 ... 122°F</b>
Resolution	0.1°C / 0.18°F
Accuracy	$\pm$ 0.8°C / 1.44°F

## Measurement function CO2

Measuring range	<b>0 ... 10,000 ppm</b>
Resolution	1 ppm
Accuracy	< 1000 ppm: $\pm$ 40 ppm < 3000 ppm: $\pm$ (50 ppm + 3% of rdg.) > 3000 ppm: $\pm$ (50 ppm + 5% of rdg.)

## Measuring function air pressure

Measuring range	<b>10 ... 1100 hPa</b>
Resolution	0.1 hPa
Accuracy	$\pm$ 1.5 hPa

Display	LCD display with backlight
Storage	SD card max. 32 GB
Storage rate	2 ... 3,600 s
Memory error	< 0.1% of the completely stored data
Display	Hold, Max, Min
Measuring rate	About 1 s
Interface	Serial for live visualization on computers (Data cable SOFT-LUT-USB sold separately)
Alarm output	OC output 24V / 70-mA DC
Power supply	6 x 1.5V AA battery 9V / 1 A power adapter

Subject to change

Current consumption	230-mA without lighting approx. 250-mA with lighting
Operating conditions	0 ... 50°C / 32 ... 122°F, max. 80% rh
Weight	About 387 g / < 1 lb
Dimensions	164 x 93 x 72 mm / 6.5 x 3.7 x 2.8 in

Subject to change