

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, CO2, PM2.5 and air pressure. All these parameters give the occupational safety expert information about the air quality. The measured values are stored by the CO2 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 0 ... 250 μm / m³

Resolution $1 \mu m / m^3$

Accuracy \pm (10% of rdg. + 15 μ m)

Measuring function humidity

Measuring range 5 ... 95% rh

Resolution 0.1% RH

Accuracy > 70% RH: ± (3% of the prev

+ 1% RH)

<70% RH: ± 3% RH

Measuring function temperature

Measuring range 0 ... 50°C / 32 ... 122°F

Resolution $0.1^{\circ}\text{C} / 0.18^{\circ}\text{F}$ Accuracy $\pm 0.8^{\circ}\text{C} / 1.44^{\circ}\text{F}$

Measurement function CO2

Measuring range 0 ... 10,000 ppm

Resolution 1 ppm

Accuracy < 1000 ppm: ± 40 ppm

< 3000 ppm: ± (50 ppm + 3% of rdg.) > 3000 ppm: ± (50 ppm + 5% of rdg.)

Measuring function air pressure

Measuring range 10 ... 1100 hPa

Resolution 0.1 hPaAccuracy $\pm 1.5 \text{ hPa}$

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

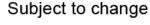
More information

More product info



Similar products





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