

OXYGEN METER

PCE-GA 8



- » **Oxygen, temperature and humidity sensor**
- » **Memory: 100,000 data sets**
- » **Adjustable alarm**
- » **Graphical trend display**
- » **Built-in 3000 mA lithium battery**

The Oxygen Meter is a reliable measuring instrument for monitoring the oxygen concentration in ambient air. With a measuring range of 0 to 30% vol. oxygen and a resolution of 0.1% vol., the Oxygen Meter delivers precise readings for a wide range of applications in industry, laboratories, storage and occupational safety.

In addition to oxygen measurement, the device also records temperature and humidity. The integrated oxygen, temperature and humidity sensor enables comprehensive monitoring of ambient conditions. Oxygen measurement is performed with an accuracy of $\pm 0.3\%$ of reading, while temperature values in the range of -9 to 55°C and humidity values from 0 to 100% RH are displayed.

For easy evaluation, the Oxygen Meter features a graphical trend display. This makes it possible to track changes in measured values directly on the device. In addition, up to 100,000 data sets can be stored, allowing even longer measurement series to be documented reliably.

An adjustable alarm warns the user when oxygen values become critical. This makes the Oxygen Meter ideal for continuous monitoring of areas where a safe oxygen concentration is important. The built-in 3000 mA lithium battery ensures flexible mobile use and operation independently of a fixed power supply.

This Oxygen Meter is ideal for applications in industry, laboratories, warehousing, occupational safety and building services.

Specification

Oxygen

Measuring range 0 ... 30 % vol.

Resolution 0,1 % vol.

Accuracy $\pm 0.3\%$ of reading

Relative humidity

Measuring range 0 ... 100 %

Resolution 0,1 %

Accuracy $\pm 5\%$ RH

Temperature

Measuring range -9 ... +55 °C

Resolution 1 °C

Accuracy $\pm 0.5\text{ °C}$

General technical data

Display type TFT colour display

Display size 2,8 in

Storage medium Internal memory

Storage capacity 100000 Data records

Storage interval from 10 s

Storage interval to 600 s

Interface Micro-USB

Operating time 8 h

Automatic power-off from...to 0 ... 1080 min.

Menu language English (GB), English

Protection class (device) IP20

Power supply 5 V DC

(Rechargeable) battery 1 x 3,7 V internal ,

Capacity 3000 mAh

Operating conditions -9 ... 55 °C , 90 % RH

Storage conditions -9 ... 55 °C , 90 % RH

Dimensions (L x W x H) 180 x 76 x 31 mm

Weight 207 g