

PRO-CHEM ANALYTIK

portable Oxygen measurement

Oxygen measurement for trace and % range

This Model was made for fast, accurate and economic measurement of Oxygen at trace or percent levels.

A simple operating and a large LCD-display allow easy and fast start-up of the instrument.

The Unit is measuring Oxygen between 0 – 10000 ppm or 0 -25%.



☺ Measuring range

The user get a range of 0 - 10, 0-100, 0-1000 and 0-10000 ppm or 0 – 25% of oxygen

☺ Data outputs

For the Oxygen concentration there is a 4-20 mA output standard available.

☺ Sensor with long operating life

The Oxymaster uses a special fuel cell to measure the oxygen concentration. The sensor meets the industrial requirements for accuracy, sensitivity, easy to use and operating life.

☺ Calibration

The calibration of the instrument for trace oxygen measurements in gas should be done with a calibration gas. The concentration can be chosen freely within the measuring range.

☺ Benefits

- Compact economic instrument
- Sensor with long operating life.
- No range switching required
- optional with gas sampling pump or flow meter
- rechargeable Battery

☺ Flow-through measuring cell in Stainless Steel

- The measuring cell is modular and is made of stainless steel
- A defective measuring cell can be repaired by replacing the defective part only, rather than the complete unit

Specification

Measuring range	: 0-10, 0-100, 0-1000 and 0-10000 ppm O ₂ or 0 -25 % O ₂
Calibration	: with calibration gas or air (%)
Accuracy	: +/- 2% FSD (T= const.) +/- 5% FSD over full temperature range (bei 0 -10 ppm +/- 1ppm)
Resolution	: 0,1 ppm or 0,1 % oxygen
Response time	: 90 % of FSC at 25°C 0-10 ppm < 45 s
Operating Temp.	: 0 - 50°C
Pressure	: 0,1 - 1 bar
Outputs	: 4 -20 mA/DC
Display	: backlight display
Power	: 85 - 230 VAC, 44/60 Hz battery powered
Oxygensensor	: Micro-Fuell Cell,
Sensor warranty	: 6 month under normal use and maintenance
Expected sensor life	: up to 2 years
Size	: 480 x 380 x 260 mm (W x H x D) 13,78 x 11,81 x 3,94 in. (W x H x D)
Weight	: 1,5 2 kg

Typical

- Variety of sensors available or can be used
- Output signal: 4-20 mA for O₂
- Data tracking,
- SS316 measuring cell
- universal Power supply for charging
85 - 230 VAC 50 - 60 Hz
- battery powered

Applications are found in

- Semi conductor industry
- Gas manufacturers
- Metallurgical industries
- Chemical industry

back side:

