

# PRO-CHEM ANALYTIK

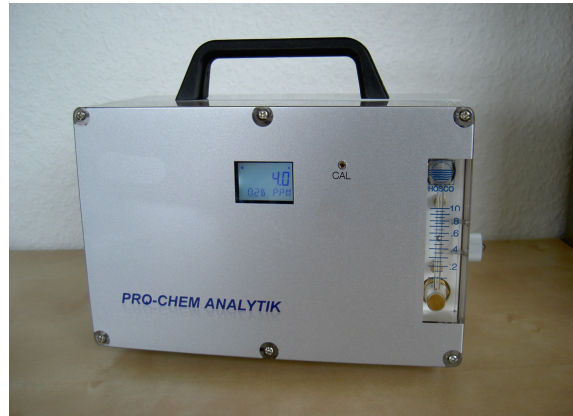
## portable Oxygen measurement

### Oxygen measurement for % 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 – 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 -25 % O <sub>2</sub>
Calibration	: with calibration air (%)
Accuracy	: +/- 2% Reading ( T= const.) +/- 5% Reding over full temperature range
Resolution	: 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 5 years on ambient
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 O<sub>2</sub>
- Data tracking,
- universal Power supply for charging  
85 - 230 VAC 50 - 60 Hz
- battery powered

### **Applications are found in**

- Gas manufacturers
- Metallurgical industries
- Chemical industry

