

# PRO-CHEM ANALYTIK

## Portable Oxygenmeasurement

### Oxygenmeasurement in a portable case

This Model was made for fast, accurate and economic measurement of Oxygen at trace levels. A simple menu-driven software, touchpad and large LCD-display allow easy and fast start-up of the instrument.

The Unit is measuring Oxygen between 0 – 10000 ppm.

A High Quality aluminium case is protecting the measuring equipment during the transport.



#### ☺ **User-selectable measuring range**

The user can select any range within the 0 - 10000 ppm.

Free-programmable concentration alarm and a system alarm give versatility meeting almost any requirement.

#### ☺ **Data outputs and Data Logger**

For the Oxygen 4-20 mA output standard available. A Data Logger with 10000 Readings and a RS 232 is standard.

#### ☺ **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.

To measuring the Dewpoint, the unit use an Aluminiumoxidprobe.

#### ☺ **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 with sensor separate from the electronics
- Sensor with long operating life.
- No range switching required Instructions and error messages in normal text (e.g. calibration not OK, change measuring cell)
- Sample system with filter, flowmeter and shut off valves

#### ☺ **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 - 10000 ppm O <sub>2</sub> free programmable lowest range 0-10 ppm
Calibration	: with calibration gas
Accuracy	: +/- 2% FSD ( T= const.) +/- 5% FSD over full temperature range
Resolution	: 0,1 ppm 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 isolated
Display	: Graphic
Systemdiagnostics	: Selfdiagnosis with display
Power	: 85 - 230 VAC, 44/60 Hz
Oxygensensor	: Micro-Fuell Cell,
Sensor warranty	: 1 year under normal use and maintenance
Expected sensor life	: 2 years
Size	: 480 x 380 x 260 ( B x H x T )
Weight	: 12 kg

### **Typical**

- Variety of sensors available or can be used
- User programmable measuring range
- Output signal: 4-20 mA for O<sub>2</sub>
- Self-diagnosis
- Clear text graphic display
- Data tracking, temperature reading
- SS316 measuring cell
- Instructions and error messages in normal text
- universal Power supply  
85 - 230 VAC 50 - 60 Hz
- Data Logger with 10000 Readings and programmable Interval

### **Applications are found in**

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