

## Oxymaster II 16T

### Measuring Oxygen Trace in Gas

#### Process Trace Oxygen Analyzer

The Model Oxymaster 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.



#### ☺ 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 concentration is a 4-20 mA output standard available. Other outputs are available on request. RS232 for data reading is standard. A data logger with 10000 values is included.

#### ☺ 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

#### ☺ Customer

The Oxymaster can be used as a stand alone unit, but a complete, custom made, system with sample handling is also supplied by us. Optional it is possible to have the Oxymaster as **two channel** unit with a second measuring cell.

#### ☺ Benefits

- Compact economic instrument with sensor separate from the electronics
- Sensor with long operating life.
- No range swichting required Instructions and error messages in normal text (eg calibration not OK, change mesuring cell)

#### ☺ 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 complet 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 ( bei 0 -10 ppm +/- 1ppm)
Resolution	: 0,1 ppm to 100 ppm 1 ppm from 100 to 10000 ppm
Response time	: 90 % of FSD at 25°C 0-10 ppm < 45 s 0-100 ppm < 30 s 0-1000 ppm < 10 s
Operating temperature	: 0 - 50°C
Sample pressure	: 0,1 - 1 barg
Output signal	: 4 -20 mA/DC isolated
Display	: Graphic
Alarm	: 1 free programmable Alarm
Systemdiagnostics	: Selfdiagnosis with relay output
Voltage	: 85 - 230 VAC, 44/60 Hz 24 VDC
Oxygensensor	: Micro-Fuell Cell,
Sensorwarranty	: 1 year under normal use and maintenance
Expected sensor life	: over 2 years
Size	: 220 x 190 x 190 ( W x H x D ) ( Mountingsize )
Weight	: 3 kg

## **Typical**

- Variety of sensors available or can be used
- User programmable measuring range
- Output signal: 4-20 mA for O<sub>2</sub>
- Output signal: 4-20 mA for Temp. (opt.)
- one oxygen alarm 2 A
- Selfdiagnosis with relay output
- Clear text graphic display
- Data tracking, temperature reading
- SS316 measuring cell
- Instructions and error messages in normal text
- universal Powersupply  
85 - 230 VAC 50 - 60 Hz
- 24 VDC / ca. 50 Watt
- two chanel unit optional

## **Applications are found in**

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