

## Model OxyMaster II TCO

### Measuring CO and Oxygen in Gas

#### Process CO and O<sub>2</sub> Analyzer

The Model CO II was made for fast, accurate and economic measurement of CO at percent and ppm 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 0-1000 ppm CO and 0 -10000 ppm O<sub>2</sub>.

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

#### ☺ Data outputs and Data logger

For the CO and O<sub>2</sub> 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 Model CO uses a electrochemical sensor to measure the CO concentration. The sensor for oxygen is also a electrochemical sensor 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 and it's necessary two or tree times a year. The concentration can be chosen freely within the measuring range

#### ☺ Customer

The Model CO 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 Model CO 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 requiredInstructions and error messages in normal text (eg calibration not OK, change mesuring cell)

### **Specification**

Measuring range	: 0 – 1000 ppm CO free programmable 0 – 10000 ppm O <sub>2</sub> free programmable
Calibration	: with calibration gas
Accuracy	: +/- 5% FSD
Resolution	: 0,01 %
Response time	: 90 % of FSD at 25°C < 45 s
Operating temperature	: 0 - 50°C
Sample pressure	: 0,1 - 1 barg
Output signal	: 4 -20 mA/DC isolated
Display	: Graphic
Alarm	: 1 free programable Alarm
Systemdiagnostics	: Selfdiagnosis with relay output
Voltage	: 85 - 230 VAC, 44/60 Hz 24 VDC
Sensor	: electrochemical sensor
Sensorwarranty	: 1 year
Expected sensor life	: 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: 1 x 4-20 mA for CO  
1 x 4-20 mA for O<sub>2</sub>
- one CO alarm and one O<sub>2</sub> 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 channel unit optional

### **Applications are found in**

- Gas manufacturers
- Metalurgical industries
- Chemical industry