

## OxyTrans

4 – 20 mA Loop Powered two wire  
Oxygen Transmitter for Glove Box  
applications

### Two Wire Process Oxygenanalyzer

The Model OxyTrans is simple, accurate and economic measurement of Oxygen at trace and % levels.

A simple Display and one point calibration allow easy and fast start-up of the instrument.

#### ☺ One User specific measuring range

The unit will offer with ranges between 0-10 ppm and 0 – 100% of oxygen.

#### ☺ Sensor

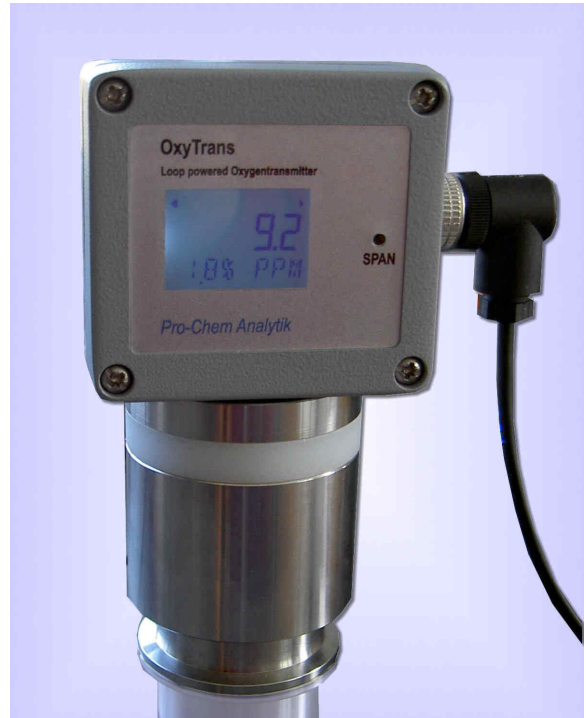
The OxyTrans uses a special fuel cell to measure the oxygen concentration. The sensor meets the industrial requirements for accuracy, sensitivity, easy to use and operating life.

#### ☺ 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. In the percent range the unit can calibrated with air.

#### ☺ Features

- ✓ compact
- ✓ inexpensive
- ✓ Sensor with long operating life
- ✓ IP65 enclosure
- ✓ reverse voltage protection and temperature compensation



#### ☺ 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

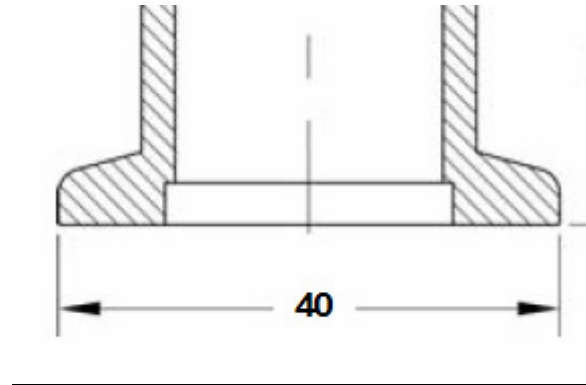


### **Specification**

Measuring ranges	
ppm	: 0-10, 0 - 100; 0 – 1000; 0 - 10000 ppm O <sub>2</sub>
%	: 0 - 25; 0 – 100 % O <sub>2</sub>
Calibration	: with calibration gas, air
Accuracy	: +/- 2% FSD T= konst. +/- 5% FSD 0>T>50°C
Resolution	: 0,1 ppm < 0-100 ppm 1 ppm at 0- 1000, 0-10000 ppm 0,1 %
Response time	: 90 % FSD at 25°C 0-10 ppm < 45 s 0-100 ppm < 20 s 0-1000 ppm < 10 s
Operating Temperature	: 0 - 50°C
Pressure	: 0,1 - 1 bar
Signal output	: 4 -20 mA/DC
Alarm value	: 3,8 mA (Standard) or 23 mA ( if desired )
Voltage	: 10 – 35 VDC reverse voltage protection up to 40VDC
load	: typ. 470 Ohm, max. 750 Ohm
Display	: 6 Digits, alphanumeric with bar graph
oxygen sensor	: Micro-Fuell Cell,
housing	: IP65
Size	: 120 x 160 x 65 ( B x H x T ) ( über alles )
Weight	: 1,2 kg

### **Typical**

- different sensors available
- different Measuring ranges
- 316 SS Stainless steel Cell block with KF40 Flansh



**Connection to the proces**

### **Applications are found in**

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