PRO-CHEM ANALYTIK

OxyTrans LC OEM

4 – 20 mA Loop Powered two wire Oxygen Transmitter

Two Wire Process Oxygenanalyzer

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

☺ **One User specific measuring range**

The unit will offer with ranges between 0-100 ppm and 0 – 25% 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
- ✓ no cross sensitivity to H_2 gas

☺ **Flow-through measuring cell in synthetic material**

☺ The measuring cell is modular and is made of synthetic material.

Specification

Measuring ranges
ppm	: 0 - 100; 0 – 1000;	
	0 – 10.000 ppm O_2	
%	: 0 - 25 % O_2	

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 : 0 - 50°C
Temperature

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 : 0,3 kg

Typical

- different sensors available

- 4 different Measuring ranges

- synthetic material Cell block

Applications are found in

- Nitrogen plants

- Gas manufacturers'

- Metallurgical industries

- Chemical industry

- heat treating and bright annealing

- e.t.c.