

OxyTrans 100

4 – 20 mA Loop Powered two wire
Oxygen Transmitter for the % range.

Two Wire Process Oxygen Transmitter

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

A simple Display and a one-point calibration (on air) allow easy and fast start-up of the instrument.

optional  1/2 G Ex ia IIC T4 (ATEX)

☺ **One User specific measuring range**

The unit offers a single range:
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 can be performed at room oxygen (20.9%) or done with a % traceable oxygen measurements in gas, should be done with a calibration gas.

☺ **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

% : 0 – 100 % O₂

Calibration : with calibration gas, air

Accuracy : +/- 2% FSD T= konst.
+/- 5% FSD 0>T>50°C

Resolution : 0.1%

Response time : 90 % FSD at 25°C
0-100 % < 15 s

Operating Temperature : 0 - 50°C

Pressure : max 10 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 40VDCload : typ. 470 Ohm,
max. 750 OhmDisplay : 6 Digits, alphanumeric
with bar graph

oxygen sensor : Micro-Fuel Cell, 16P103

housing : IP65

Size : 120 x 160 x 65 (B x H x T)

Weight : 1.2 kg

Typical

- 316 SS Stainless steel Cell block
- 5 year life expectancy for the fuel cell
- Field replaceable fuel cells

Applications are found in.

- Gas manufacturers'
- Metallurgical industries
- Chemical industry
- heat treating and bright annealing
- e.t.c.