

OxyTrans

4 – 20 mA Loop Powered Two Wire Oxygen Transmitter



Two Wire Process Oxygen Transmitter

The Model OxyTrans is an easy to use, accurate and economical way to measure Oxygen at trace and % levels. A simple display and one point calibration allows for a quick start of the instrument.

► One User Specific Measuring Range

The unit will offer ranges between 0-100ppm, 0-1,000ppm, 0-10,000ppm of oxygen. 0-1% to 0-25% O₂. Custom ranges also available.

► 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 known calibrated gas. The concentration can be chosen freely within the measuring range.

In the percent range the unit can be calibrated with air.

► Flow-Through Measuring Cell In Stainless Steel

The measuring cell is modular and made of stainless steel. A defective measuring cell can be repaired by replacing the defective part only, rather than the complete unit.

Features:

- Compact
- Inexpensive
- Sensor with long operating life
- IP65 enclosure
- Reverse voltage protection and temperature compensation

OxyTrans

SPECIFICATION

Measuring Ranges:

O₂ PPM Range: 0-100ppm
0-1,000ppm
0-10,000ppm
% O₂ Range: 0-1%, 0-25%

Range must be specified at time of ordering.

Calibration: With calibration gas, air

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

Resolution: 0.1 ppm at 0-100 ppm
1 ppm at 0-1,000, 0-10,000 ppm
0.1 %

Response Time: 90 % FSD at 25°C
0-10 ppm < 45 s
0-100 ppm < 20 s
0-1,000 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 Range: 100 to 750 Ohm
Typ. 470 Ohm

Display: 6 Digits, alphanumeric with bar graph

Oxygen Sensor: Micro-Fuel Cell

Housing: IP65

Dimensions: 120mm x 160mm x 65mm (L x H x W)
4.7" x 6.3" x 2.5" (inches)

Weight: 1.2 kg
2.6 lb

TYPICAL

Different Sensors Available

5 Different Measuring Ranges

316 SS Stainless Steel Cell Block



APPLICATIONS

Semi Conductor Industry

Gas Manufacturers'

Metallurgical Industries

Chemical Industry

Heat Treating and Bright Annealing

