

OxyTrans

4-20 mA Loop Powered Two Wire Oxygen Transmitter



OxyT



OxyT-SS



OxyT-PSS

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.

▶ Measuring Range

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

▶ 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.

▶ 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

Applications:

- Semi Conductor Industry
- Gas Manufacturers
- Metallurgical Industries
- Chemical Industry
- Heat Treating and Bright Annealing

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 calibrated gas, air

Accuracy: $\pm 2\%$ FSD T = constant
 $\pm 5\%$ FSD O₂>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
23mA (if desired)

Voltage: 10 - 35 VDC

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"

Weight: 1.2kg (206lb)

TYPICAL

Different Sensors Available

5 Different Ranges

316 SS Stainless Steel Cell Block

MODEL TYPES

OxyT Standard

OxyT-H Works with the Hart Protocol

OxyT-RA Right angle display

OxyT-SS Panel mount sampling system
Panel size: 38.1cm (15") square
Weight: 3.2 kg (7lb)

OxyT-PSS Portable sampling system with
power supply and pump options
Weight: 6.8kg (15lbs)



OxyT-RA



Toll Free: 800-276-3729 Ph: 508-263-5900 Fax: 508-486-9348
E-mail: h2o@edgetech.com Web: www.edgetech.com