VORTEX

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.

Edgetech Instruments' services are performed in the USA at their modern, well-staffed, ISO/IEC 17025:2005 accredited, ISO 9001:2015 registered manufacturing facility. All recertifications and calibrations are traceable to NIST.

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
- Hydrogen / Flammable Gas

The OxyTrans T-PPS

The OxyTrans T

The OxyTrans T-RA

Edgetech Instruments

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:
- ± 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
- 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 BI

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 option Weight: 6.8kg (15lbs)
OxyTrans-EX	Explosion Proof, 2 wire loop powered transmitter (ATEX approved)

The OxyTrans T-SS