

Oxytrans II

Oxygen Transmitter



Figure 1: Oxytrans-II

FEATURES

- Compact
- Inexpensive
- User selectable ranges
- Easy to replace sensor
- IP65 enclosure
- Reverse voltage protection and temperature compensation
- No cross sensitivity to hydrogen
- Zero calibration for measurement in low ppm range
- 4 measurement ranges in one unit

APPLICATIONS

- SEMICONDUCTOR INDUSTRY
- GAS MANUFACTURERS
- ENVIRONMENTAL CHAMBERS
- METALLURGICAL INDUSTRIES
- CHEMICAL INDUSTRY
- GLOVEBOX APPLICATIONS
- SEMICONDUCTOR
- HEAT TREATING AND BRIGHT ANNEALING

The Oxytran II Series

4 – 20 mA Loop Powered two wire Oxygen Transmitter

The Model OxyTrans is simple, accurate and economical way to measure traces and % ranges of Oxygen. The unit has a simple display and offers a one point calibration allowing for a quick start up. Optional EX (explosion proof) 1/2 G Ex ia IIC T4 (ATEX).

There are 2 types of units, one for the PPM range and one for the percent range. The PPM range offered is 0-10000ppm (model OXYT-II-P) and the % unit is offered in three different incremental ranges. First range is 0-0.25, 0-2.5 and 0-25% (model OXYT-II-T1), second range is 0-0.5, 0-5, and 0-50% (model OXYT-II-T2) and the third range is 0-1%, 0-10% and 0-100% (model OXYT-II-T3).

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Technical Information

Measurement Ranges	0-10, 0-100, 0-1000, 0 - 10000 ppm O ₂ 0 – 0.25, 0- 2.5, 0- 25 %O ₂ 0 – 0.5, 0- 5, 0- 50 %O ₂ 0 – 1, 0- 10, 0- 100 %O ₂
Display	6 Digits, alphanumeric with bar graph
Calibration	Use a known ppm of oxygen in a gas (typical Nitrogen0 For Percent ranges uses air
Resolution	0.1 ppm < 0-100 ppm 1 ppm at 0- 1000, 0-10000ppm 0.1% for 25%
Digital Output	HART Communication
Load	Typical 470 ohm
Pressure	Max 10bar (flow through)
Supply Voltage	10 – 35 VDC reverse voltage protection up to 40VDC
Sensor	Micro-Fuel Cell
Alarm Value	3.8 mA (Standard) or 23 mA (if desired)
Signal Output	4-20mA/DC
Operating Temperature	0°C to +50 °C
Weight	1.2kgs
Sample Flow Rate	1-3 scfh
Enclosure Rating	IP65
Process Connection	¼" tube
Accuracy	+/- 2% FSD T= const. +/- 5% FSD 0>T>50°C

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Ordering Table (More configurations available upon request)

NOTE: Oxytan II allows users to select between ranges

Oxygen Transmitters

Part Number	Ranges (user selectable)
OxyT II-T	0-10, 0-100, 0-1000, 0-10000 ppm
OxyT II-P1	0-0.25, 0-2.5, 0-25%
OxyT II-P2	0-0.5, 0-5, 0-50%
OxyT II-P3	0-1, 0-10, 0-100%
OxyT II-T-GB	For gloveboxes: 0-10, 0-100, 0-1000, 0-10000 ppm
OxyT II-P1-GB	For gloveboxes: 0-0.25, 0-2.5, 0-25%
OxyT II-P2-GB	For gloveboxes: 0-0.5, 0-5, 0-50%
OxyT II-P3-GB	For gloveboxes: 0-1, 0-10, 0-100%

Oxygen Sensors

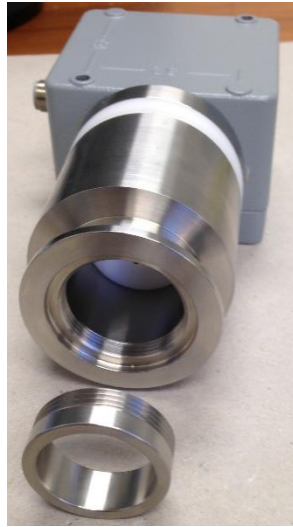
Part Number	Ranges (user selectable)
16T303	For PPM ranges, inert gas applications
16T304	For PPM ranges, acidic gas applications (CO ₂ present)
16P306	For Percent ranges, inert gas applications
16P307	For Percent ranges, acidic gas applications (CO ₂ present)

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Oxygen Transmitter for gloveboxes



Dimensions

