

Oxytrans II

Oxygen Transmitter

Distributed by IOThrifty
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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



Figure 1: Oxytrans-II

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-T) 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-P1), second range is 0-0.5, 0-5, and 0-50% (model OXYT-II-P2) and the third range is 0-1%, 0-10% and 0-100% (model OXYT-II-P3).

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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

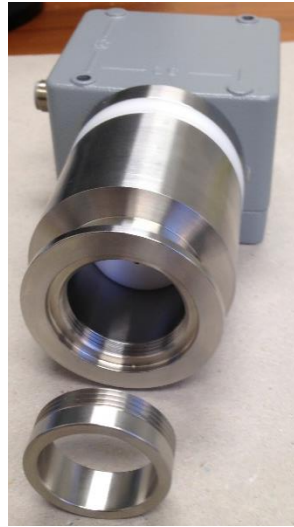
| Part Number | Ranges (user selectable) |
|-------------|---|
| 16T303 | For PPM ranges, inert gas applications |
| 16T304 | For PPM ranges, acidic gas applications (CO ₂ present) |
| 16P306 | For Percent ranges, inert gas applications |
| 16P307 | For Percent ranges, acidic gas applications (CO ₂ present)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

Oxytrans II

Oxygen Transmitter



Oxygen Transmitter for gloveboxes



Dimensions

