

O2-Tracer-R

Oxygen Transmitter for Room Safety Applications



Figure 1: O2Tracer-R

FEATURES

- Programmable alarm setting
- Easy to replace sensor
- IP65 enclosure
- Reverse voltage protection and temperature compensation
- Backlit LCD display
- Sensor with long operating life
- Audio and visual alarm

APPLICATIONS

- GAS MANUFACTURERS
- METALLURGICAL INDUSTRIES
- CHEMICAL INDUSTRY
- SEMICONDUCTOR
- ROOM SAFETY
- LABORATORIES
- PHARMACEUTICAL

The O2Tracer-R Series

Three Wire Process Oxygen analyser with alarms

The Model O²Tracer-R is simple, accurate and very economic measurement of Oxygen in the % levels. The unit will measure between 0 – 25% of oxygen.

The O2Tracer uses a special fuel cell to measure the oxygen concentration. The sensor meets the industrial requirements for accuracy, and sensitivity, it is easy to use and has a long operating life.

The calibration of the instrument can be done on air. **Alarm set points are done at the factory**

Analog: 4-20 mA

Alarms: two relay alarms with acoustical horn and a light

- The unit can be mounted on the wall in room air and the O₂ measurement works by diffusion
- Measuring of corrosive gases is not recommend with this instrument

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Technical Information

Measurement Ranges	0-25%
Response Time	90 % FSD at 25°C
Display	LCD display
Calibration	The unit can be calibrated at room oxygen.
Resolution	0.1%
Size	(W*H*D) 4.53" * 2.65" * 2.17"
Load	typ. 470 Ohm, max. 750 Ohm
Pressure	0.1 – 1 bar
Supply Voltage	10 – 35 VDC reverse voltage protection up to 40VDC
Oxygen Sensor	Micro-Fuel Cell, 5yrs. On air
Housing	IP65
Signal Output	4-20mA/DC
Operating Temperature	0°C to +50 °C
Weight	2.0 lbs.
Alarms	Two alarm relays. Acoustical with buzzer (90db) and a light.
Enclosure Rating	IP65
Accuracy	+/- 2% FS.

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Ordering Table (More configurations available upon request)

Oxygen Transmitters

Part Number	Range
O2T-R-1	0-25%

Oxygen Sensors

Part Number	Ranges
16P103	For percent ranges,