

O2 Tracer

Oxygen Transmitter



Figure 1: O2 Tracer

FEATURES

- Compact
- Inexpensive
- User selectable ranges
- IP65 enclosure
- Reverse voltage protection and temperature compensation

APPLICATIONS

- GAS MANUFACTURERS
- ENVIRONMENTAL CHAMBERS
- METALLURGICAL INDUSTRIES
- CHEMICAL INDUSTRY
- SEMICONDUCTOR

The O2 Tracer

4 – 20 mA Loop Powered two wire Oxygen Transmitter

The Model O2Tracer is simple to use, accurate and very economical when measuring Oxygen at % levels.

One User specific measuring range the unit will offer with different ranges between 0 – 100% of oxygen. Typical range is 0- 25%.

The O2Tracer 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.

The calibration of the instrument for % oxygen measurements in gas should be done with a calibration gas or on air.

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Technical Information

Measurement Ranges	0- 10 %O ₂ 0- 25 %O ₂ 0- 50 %O ₂ 0- 100 %O ₂
Calibration	Use a known % of oxygen in a gas (typical Nitrogen) Or can use room air
Response Time	90 % FSD at 25°C 0 – 100% < 10 s
Load	Typ. 1000 Ohm, max. at 28Vdc -max 250 ohms at 10Vdc
Pressure	0.1-1 bar
Supply Voltage	10 – 35 VDC reverse voltage protection up to 40VDC
Sensor	Micro-Fuel Cell
Dimensions	3.15 x 3 x 2.17 (B x H x T (mm))
Weight	0.6 lb.
Signal Output	4-20mA/DC
Operating Temperature	0°C to +50 °C
Sample Flow Rate	1-3 scfh
Enclosure Rating	IP65 , Aluminum
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)

Part Number	Ranges (user selectable)
O2T-1	0-10%
O2T-2	0-25%
O2T-3	0-100%

Oxygen Sensors

Part Number	Ranges (user selectable)
16P103	For Percent ranges