

O2Tracer-M-R

Oxygen Transmitter



Figure 1: O2Tracer-M-R

FEATURES

- Compact
- Choice of flow through or diffusion unit
- Easy to replace sensor
- IP65 enclosure
- Reverse voltage protection and temperature compensation
- Backlit LCD display
- For special ranges consult factory

APPLICATIONS

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

The O2Tracer-M-R Series

4 – 20 mA Loop Powered two wire Oxygen Transmitter

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

Typical range is 0-25% 1.5M cable (max) between electronics and sensor

The O2Tracer-M-R 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.

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Technical Information

Measurement Ranges	0-25%, 0-100%
Response Time	90 % FSD at 25°C 0 – 100% < 10 s
Display	2-line LCD display
Calibration	The unit can be calibrated at room oxygen.
Resolution	0.1%
Size	3.875" x 2.75"
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 Enclosure	Aluminum
Housing	IP65
Signal Output	4-20mA/DC
Operating Temperature	0°C to +50 °C
Weight	2.0 lbs.
Sample Flow Rate	1-3 scfh
Enclosure Rating	IP65
Process Connection	¼" tube

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Ordering Table (More configurations available upon request)

Oxygen Transmitters

Part Number	Ranges (user selectable)
O2T-M-R	0-25% flow thru
O2T-M-R-2	0-100% flow thru
O2T-M-R-D	0-25% diffusion
O2T-M-R-D2	0-100% diffusion

Oxygen Sensors

Part Number	Ranges (user selectable)
16P103	For percent ranges,

Example of O2Tracer-M-R-D with diffusion

