

OxyP

Portable Oxygen Transmitter



Figure 1: Portable Oxygen Transmitter- OxyP

FEATURES

- Compact economic instrument
- Inexpensive
- Easy to replace sensor
- Sensor with long operating life
- Rechargeable Battery
- Optional with gas sampling pump or flow meter

APPLICATIONS

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

The OxyP, a portable oxygen transmitter, Series

Oxygen measurement for trace and % range

This Model was made for fast, accurate and economic measurement of Oxygen at trace or percent levels.

A simple operating and a large LCD-display allow easy and fast start-up of the instrument. For the Oxygen concentration there is a 4-20 mA output standard available.

The Oxy-P 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.

Flow-through measuring cell in Stainless Steel. The measuring cell is modular and is made of stainless steel. A defective measuring cell can be repaired by replacing the defective part only, rather than the complete unit

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Technical Information

Measurement Ranges	OxyP-T: 0-10, 0-100, 0-1000, 0 - 10000 ppm O ₂ OxyP-P1: 0 – 0.25, 0- 2.5, 0- 25 %O ₂ OxyP-P2: 0 – 0.5, 0- 5, 0- 50 %O ₂ OxyP-P3: 0 – 1, 0- 10, 0- 100 %O ₂
Display	6 Digits, alphanumeric with bar graph Backlight Display
Calibration	Use a known ppm of oxygen in a gas (typical Nitrogen0 For Percent ranges uses air
Resolution	0.1 ppm or 0.1 % oxygen
Digital Output	HART Communication
Load	Typical 470 ohm
Pressure	0.1 – 1 bar
Supply Voltage	85 - 230 VAC, 44/60 Hz
STD	Battery Powered
Sensor	Micro-Fuel Cell
Signal Output	4-20mA/DC
Operating Temperature	0°C to +50 °C
Weight	5 lbs.
Sample Flow Rate	1-3 scfh
Dimensions	3.78 x 11.81 x 3.94 in. (W x H x D)
Accuracy	+/- 2% FSD T= const. +/- 5% FSD 0>T>50°C Over full temperature range

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Ordering Table (More configurations available upon request)

NOTE: OxyP allows users to select between ranges

Portable Oxygen Transmitters

Part Number	Ranges (user selectable)
Oxyp-T	4 selectable range, 0-10, 0-100, 0-1000 and 0-1000 ppm
OxyP-P1	0-0.25, 0-2.5, 0-25%
OxyP-P2	0-0.5, 0-5, 0-50%
OxyP-P3	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)

OxyP Back view:



Options:

Description:	Part #
Flowmeter	FM
Vacuum Pump	VP