



# OxyPro

## Non-Consumable Oxygen Deficiency Monitor

- paramagnetic sensor with no cell replacements required
- low O<sub>2</sub> and fault alarms
- industry leading linearity, accuracy, fast response times
- remote interface, live monitoring
- optional LED light bar with audible alarm
- integration to DCS or PLC via 4-20mA, RJ45, and/or switches

## Oxygen Deficiency Monitor

The OxyPro, from Process Solutions Corp., is a life-critical oxygen deficiency monitoring device that continuously measures O<sub>2</sub> concentration in the atmosphere to ensure safe working conditions in confined spaces. It provides local alarming as well as remote monitoring of oxygen values.

## Features

- fast one-point calibration
- tabletop, rack-mounted, or wall-mount options
- ethernet or ModbusTCP connectivity
- two low alarms, fault alarm, calibration alert
- for indoor use in temperatures 41 to 122°F
- excellent measurement stability

## How it Works

Built for longevity and accuracy, the OxyPro detects O<sub>2</sub> levels in the atmosphere using a paramagnetic sensor. This sensor measures the weak magnetic forces of oxygen in enclosed environments and does not require fuel cell electrolytes. This significantly reduces or eliminates routine maintenance labor, parts costs, and calibrations in exchange for increased safety, accuracy, and reliability. The sensor can be positioned remotely, directly on the monitor, or both with a dual sensor option.

## Performance

Range	0-25% O <sub>2</sub>
Linearity	less than $\pm 0.2\%$ O <sub>2</sub>
Repeatability	less than $\pm 0.3\%$ O <sub>2</sub>
Update Time	less than 1/2 second

## Next Generation Oxygen Sensor

The OxyPro oxygen detector uses a state-of-the-art, paramagnetic sensor: the Paracube® from Servomex-Hummingbird. This sensor offers industry-leading linearity, accuracy, and reliability. Best of all, it does not deteriorate, so regular sensor replacement and calibration is eliminated. This new technology ensures unprecedented levels of safety and performance while reducing the lifetime cost of ownership.

- non-consumable sensor eliminates daily calibrations and false alarms
- remote access and live monitoring
- lifetime technical support
- low lifetime cost of ownership

## Specifications

- IP66 rated enclosure for indoor use
- AC input voltage: 100-120 V / 200-240 V
- Operating altitude: -1,600 to 13,000 feet
- Relative humidity: 10-90%, noncondensing
- 4.3" 65k color touchscreen
- Serial ports: RS232, RS485

## Optional Features

- attached or remote LED light bar, audible alarm
- dual or single remote sensor option
- battery back-up; heating blanket
- integration with BACnet, Modbus, EtherNet/IP, LonWorks, or other ethernet protocols
- custom programming or physical features can be added upon request

