



# 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
- integration to DCS or PLC via 4-20mA, RJ45, and/or switch
- user-friendly, color touchscreen interface
- fast single point calibration
- optional LED light bar with audible alarm
- fast adjustable response and operating parameters

### Mechanical

|                       |                           |
|-----------------------|---------------------------|
| Dimensions            | 10.39 x 9.21 x 5.55 in    |
| Weight (approximate)  | 10 lbs                    |
| Enclosure             | IP66 Rating               |
| Operating Temperature | -4 to 140°F (-20 to 60°C) |

### Performance

|                          |                               |
|--------------------------|-------------------------------|
| Measurement              | 0 to 21% oxygen               |
| Accuracy                 | ±0.2% oxygen                  |
| Repeatability            | < ±0.3% oxygen                |
| Update Time              | < 1/2 second                  |
| Zero Drift               | < ±0.2% oxygen per month      |
| Zero Temp Coefficient    | < ±0.5% oxygen per 10°C       |
| Analog Outputs           | isolated 4-20 mA              |
| Relay Outputs            | 6 relay outputs               |
| Ethernet Outputs         | RJ45, Modbus TCP              |
| Ambient Pressure Effects | < 0.04% reading per 1% change |

### Power

|                  |                         |
|------------------|-------------------------|
| AC Input Voltage | 100-120 V / 200-240 V   |
| Mains Frequency  | 50 - 60 Hz              |
| AC Input Current | 2.0/1.23 at 120/230 VAC |

### Environmental Data

|                       |                                |
|-----------------------|--------------------------------|
| Operating Temperature | 41 to 122°F (5 to 45°C)        |
| Storage Temperature   | 23 to 122°F (-5 to 50°C)       |
| Operating Altitude    | -1,600 to 13,000 ft            |
| Relative Humidity     | 10 to 90% RH, (non-condensing) |

### User Interface

|                 |                            |
|-----------------|----------------------------|
| Display         | 4.3" 65K color touchscreen |
| Resolution      | 480 x 272 pixels           |
| Backlight       | white LED                  |
| Serial Ports    | RS232, RS485               |
| Data Logging    | yes                        |
| I/O Options     | yes                        |
| Internal Memory | 15 Mb                      |
| External Memory | 32 Gb                      |

### Additional Features

- internal orientation compensation
- fault alarm output to 3.5 mA
- easy integration via isolated 4-20 mA output with linear measurement
- real-time monitoring
- remote monitoring and interface
- fast adjustable response

### Approvals

UL Safe Area (general purpose)

### Optional Features

- attached and/or external LED alarm
- battery back-up

