



OxyPro

Non-Consumable Oxygen Deficiency Monitor

- paramagnetic sensor with no cell replacements required
- low O₂ 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	10-90%, 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 / interface
- fast adjustable response

Approvals

- UL Safe Area (general purpose)
- IP66 rated enclosure for indoor use
- RoHS and REACH compliance (sensor only)

Optional Features

- attached and/or remote light bar, audible alarm
- dual or single sensor, remote sensor options
- battery back-up
- heating blanket
- integration with BACnet, Modbus, EtherNet/IP, Lon-Works, and other ethernet protocols
- special measurement ranges
- additional custom features available upon request

