



Metal Enclosure Option

OxyPro

Non-Consumable Oxygen Deficiency Monitor

- Paramagnetic sensor - no cell replacements required
- Industry leading linearity, accuracy, and stability
- One fault and two O2 alarms
- Remote interface, live monitoring
- User-friendly, color touchscreen interface
- Fast single point calibration
- Fast adjustable response and operating parameters

Performance

Sensor Technology	Paramagnetic
Measurement Range	0 to 100% O ₂
Over Range Capability	-15 to 200% O ₂
Accuracy	±0.2% O ₂
Repeatability	< ±0.2% O ₂
Update Time	< 1/2 second
Zero Drift	< ±0.2% O ₂ per month
Zero Temp Coefficient	< ±0.5% O ₂ per 10°C
Signal Noise	< 0.2% O ₂
Ambient Pressure Effects	< 0.04% reading per 1% change

Input/Output

Analog Outputs	Isolated 4-20 mA
Relay Outputs	6 relay outputs
Ethernet Outputs	RJ45, Modbus TCP
Serial Ports	RS232, RS485
I/O Options	Yes

Environmental Data

Operating Altitude	-1,600 to 13,000 ft
Operating Pressure	Ambient
Operating Temperature	41 to 122°F (5 to 50°C)
Storage Temperature	-22 to 158°F (-30 to 70°C)
Storage Pressure	10-200 kPa (1.5-30 PSI)
Relative Humidity	10-90%, non-condensing
Environmental Limits	For indoor use only

User Interface

Display	4.3" 65k color touchscreen
Resolution	480 x 272 pixels
Backlight	White LED
Data Logging	Yes
Internal Memory	15 Mb
External Memory	32 Gb

Additional Features

- Internal orientation compensation
- Fault alarm output to 3.5 mA
- Real-time monitoring, remote interface

Approvals

- IP66 Rating (enclosure) for indoor use
- RoHS, REACH compliance (sensor only)



Remote Sensor Options

The OxyPro is available in a range of customizable configurations to meet the unique demands of the oxygen monitoring industry. Below is a configuration guide for most standard and optional features:

OxyPro	Software Version	Power	Sensor Type	Enclosure Type	Adders
OxyPro	-XX	-XX	-XX	-XX	-XX
	-LS (Life Safety)	-AC	-LO (local)	-AB (ABS plastic)	-00 (No Adders)
	-PO (Percent Oxygen)	-DC	-RE (remote)	-ME (metal)	-BB (Battery Backup)
	-XX (Special Purpose)				-HK (Hard Keys)
					-HT (Heater)
					-SL (Stack Light)
					-SR (Special Range)
					-XX (Special Option)

Standard Configurations

The OxyPro is available in four standard models or a fully customizable unit:

The OxyPro is available in four standard options as follows:

(1) **ABS Enclosure with Local Sensor** - *OxyPro-LS-XX-LO-AB-HK*

Life Safety version, optional Power Type, Local Sensor, ABS Enclosure, adders: Hard Keys

(2) **ABS Enclosure with Remote Sensor(s)** - *OxyPro-LS-XX-RE-AB-HK*

Life Safety version, optional Power Type, Remote Sensor(s), ABS Enclosure, adders: Hard Keys

(3) **Metal Enclosure with Local Sensor** - *OxyPro-LS-XX-LO-ME-00*

Life Safety version, optional Power Type, Local Sensor, Metal Enclosure, adders: none

(4) **Metal Enclosure with Remote Sensor(s)** - *OxyPro-LS-XX-RE-ME-00*

Life Safety version, optional Power Type, Remote Sensor(s), Metal Enclosure, adders: none

Note: Hard keys (-HK) are a standard feature on ABS enclosure models (-AB).

Optional Features

- Single or multi-sensor options
- Remote sensor options (-RE)
- Battery back-up (-BB)
- Hard acknowledge button and LEDs (-HK)
- Heating blanket (-HT)
- Stack light or audible alarms, attached to unit or remote (-SL)
- Special measurement range (-SR)
- Custom alarms values (low or high and low latched [low low])
- Integration to DCS, PLC, gas detection system, building automation system via 4-20 mA, Modbus, RJ45, or switch
- Additional special features may be available upon request



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