

OXYGUARD®

Economical, Maintenance-free Oxygen Depletion Monitor



Visit our website at:
www.thermalgas.com



Measures ambient oxygen with long-life electro-chemical cell. Provides continuous detection and notification for...

- Refrigeration Equipment
- Machinery Rooms
- Medical Imaging Systems
- Food Storage Rooms
- Reduces loss
- Protects inventory
- Alerts service personnel
- Features remote notification
- Alerts service personnel
- Enables scheduled maintenance

THERMAL GAS *Systems* inc.

Haloguard® and Oxyguard® Monitors

OXYGUARD®

24-hour Oxygen Depletion Monitor

Simple, Effective, Economical

OXYGUARD® combines the economy of a galvanic cell with a highly efficient electrolyte for a virtually maintenance-free monitor with a sensor life of more than five years under normal conditions.

With OXYGUARD®, there is no influence from CO₂, CO, H₂S, NO_x, SO₂ or H₂. The monitor operates in normal ambient temperatures with a very stable output signal.

Simply install OXYGUARD® and it is ready to go to work. Warm-up time and field recalibration are minimal.

When you require continuous oxygen monitoring for refrigeration equipment, machinery rooms, medical imaging systems, oxygen incubators or food storage rooms, you can depend on the OXYGUARD® for effective, economical operation.

To find out more, contact Thermal Gas Systems, today.

Features

- **Simple installation**
- **Easy field calibration**
- **Audible alarm**
- **Dual alarm capability**
Alarm 1: 19.5% O₂
Alarm 2: 16.0% O₂
- **LCD shows % Oxygen, Alarm Test, Reset, Sensor Fault and Low Battery**
- **Two flashing alarm LED's**
- **Sensor fault LED**
- **Power on/off LED**
- **Analog output for BAS/EMS interface or data logging**
- **Two alarm relays for ventilation, dialer or remote notification**
- **Alarm Test and Reset push buttons**
- **Rugged ABS enclosure**
- **Remote sensor with 6 ft. instrument cable and DIN plug, extendable to 200 ft.**
- **Dependable, solid-state electronics**

Options

- **Remote sensor extension cable**
- **Battery back-up**
- **Gas test kit**
- **Lockable enclosure**

THERMAL GAS *Systems* inc.
Haloguard® Monitors

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Effects of Oxygen Depletion

- 20.9% Normal air
- 19.5% Min. "Safe" level*
- 16.0% Disorientation
- 12.0% Unconsciousness
- 5.0% Fatal

*OSHA, NIOSH, ASHRAE 15-1992

Specifications

Technology.....	Electro-chemical
Electrical Supply.....	115-230v, 50-60Hz
Output Signal	Std: 2 x 3A, dry contact Opt: 0 - 10V DC or 4 - 20mA analog
Accuracy	1% Full-scale
Response Time	<1 minute
Recovery Time	<3 minutes
Sensor Life.....	+5 years at 20°C/20% O ₂
Measuring Range	0 - 25% standard
Operating Temperature:	
Sensor	40°F to +110°F non-condensing
Controller	0°F to 120°F
Materials:	
Enclosure	ABS plastic, UL94V-0, NEMA 4/12/ 13 rated
Sensor	PVC and porous PP
Weight	5 lbs. (add 2 lbs. for optional battery back-up)

Warranty

Sensor element is unconditionally guaranteed for three years from the date of shipment. Any sensors found defective in that period will be replaced free of charge. Read terms and conditions of sale for complete warranty information.

