



leading environmental monitoring systems
for you. for the environment.



Oxygen Enrichment Monitoring Systems from OX-AN[®]

OX-AN[®]'s Oxygen Enrichment Monitors are designed for personnel safety monitoring in:

- Food Industry
- Metal-working
- Welding
- Hospitals
- Schools, colleges, universities

OX-AN[®] Oxygen Enrichment Monitoring Systems

Systems are available for Oxygen Enrichment Monitoring where the use of pure Oxygen either from bulk gaseous or liquid store, or on site generation is used for enriching air for patient care or mixing with other gases for food packaging purposes or welding may present a safety or explosion risk.

The system for these applications can be set for alarm levels to be triggered if the Oxygen level exceeds the preset limit of 20.9% to 25%

Volt free contacts can be used to shut down the Oxygen supply ensuring the risk of explosion or fire is eliminated.

The product can measure up to twelve locations as standard with remote 4-20 mA oxygen sensors.

OX-AN[®] Oxygen Enrichment Monitor Key System Features

Key features of OX-AN[®]'s highly developed and sophisticated Oxygen Enrichment Monitoring System include

- Digital control and set-up of all functions
- Recall of alarm events
- Monitors up to 16 points as standard
- Two stage alarm outputs with 3 amp volt free relays
- Clear indication of fault zone on large LED
- Sensor isolation
- Print on demand function documents time stamped events

Options

- Zone based alarm system - Multiple areas can be monitored and have individual alarm based relay outputs using one system.



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How many sensing points do I need?

The number of sensing points required to adequately monitor a space depends upon a number of factors. Please contact us for free technical advice or a site visit.

Installation

OX-AN[®] Gas Detection Ltd offer a full installation service. All that is required on site is the provision of a fused mains outlet adjacent to the proposed location of the monitor and remote panel.

Service and Maintenance

OX-AN[®] Gas Detection Ltd offer a service contract providing a service visit at twelve monthly intervals. At the service schedule the electro-chemical Oxygen sensors are replaced and all the instrument's functions and alarms are checked using test gases.

For intermediate system testing we can supply test gases in disposable canisters with a needle control valve and carrying case.

OX-AN[®] Oxygen Enrichment Monitoring System Technical Details

Sensors: Electro-chemical fuel cell 4-20mA transmitter

Range: 0-25% Oxygen

Voltage: 240V a.c. 110v a.c. option

Current Rating: 5 amp

Output: 2 x 3 amp single pole changeover relays (volt free contacts)

Display: **Function:** 2 x 16 back illuminated liquid crystal display

Zone: 2 x 1.5" 7 segment LED display

Alarm: Matrix of 5mm red LED's

Warning: Matrix of 5mm amber LED's

Area safe: matrix of 5mm green LED's

System Status LED's:

Fault: System fault has occurred

Isolated: One or more sensors isolated

Muted: Sounder is muted

Slow Cycle: System in slow cycle mode

Print Pending: Event is ready to print

Healthy: System is powered & functional

Warning Sounder: 90 dB @ 1 M



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Mute: External mute push-button

Main Unit: 53 cm high x 43 cm wide x 20 cm depth from wall

Sensor Housing Size: 10 cm high x 10 cm wide x 8 cm depth from wall

Maximum number of Sensors: 16 as standard

Field Wiring: Transmitters 16/0.02 mm² twin Belden cable

Contact OX-AN[®]

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