



leading environmental monitoring systems
for you. for the environment.



Carbon Monoxide Monitoring Systems from OX-AN[®]

OX-AN[®]'s Carbon Monoxide Monitors are for personnel safety, energy conservation and process monitoring in:

- Vehicle workshops
- Indoor car parks
- Boiler rooms
- Vehicle wind tunnels
- Municipal and shopping mall car parks
- Car auction buying ring
- Bus stations

OX-AN[®] Carbon Monoxide Monitoring Systems

OX-AN[®] Monoxide Monitoring Systems are designed to warn the public or personnel of any danger from Carbon Monoxide that may build up in the workplace or public areas. The Health and Safety Control of Substances Hazardous to Health, COSHH Regulations state that short terms exposure limit of Carbon Monoxide should not exceed 200 ppm and long term exposure limit as low as 30 ppm.

How the system works

Remote Carbon Monoxide sensors are sited in the work area at low level and wired back to the instrument. Should any sensor detect Carbon Monoxide above 30 ppm the amber warning LED's will illuminate and remain on until the levels drop, if the levels exceed 50 ppm the red alarm LED's will illuminate and the 90 db sounder warns occupants of the levels.

SPCO relay outputs on the first warning level and main alarm level are available which can be interfaced to building management systems or control panels to active louvers and ventilation fans.

The product can measure up to twelve locations with remote 4-20 mA Carbon Monoxide sensors.



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OX-AN[®] Carbon Monoxide Monitor Key System Features

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

- Digital control and set-up of all functions
- Recall of alarm events
- Monitors up to 16 points as standard, upgradeable to 99
- 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

Safety monitoring features

- Recall of alarm events
- Clear indication of fault zone on large LED
- Additional warning panels can be mounted up to 300 metres away

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 due diligence testing we can supply test gases in disposable canisters with needle control valve, flow indicator and carrying case.

OX-AN[®] Carbon Monoxide Monitoring System Technical Details



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

Sensor Life: 2 years from time of manufacture (sensors fail with loss of power making system intrinsically safe)

Range: 0 - 500 ppm Carbon Monoxide

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

Current Rating: 5 amp

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

Air flow over sensor: 0 - 10m/sec

Current Rating of main panel: 5 amp

Output: 3 amp SPCO relay each channel

Channels: Up to 99

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 condition: stack of 5mm coloured LED's

Warning Sounder: 90db @ 1M

Mute: External mute push-button

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

Maximum Number of Sensors: 16 as standard, upgradeable to 99

Field Wiring: Transmitters 16/0.02 mm² twin Belden cable

Remote panel twin screened data cable with overall screen

Contact OX-AN[®]

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