

Safe-Ox+

Oxygen Depletion & Enrichment Monitor



KEY FEATURES

- Long-life O₂ sensor
- Minimal maintenance for user
- Calibration adjustment of the Safe-Ox+ can be completed using 'pure air'
- Repeater included
- Plug and play
- Not cross sensitive to He

INDUSTRIES



The Safe-Ox+ is an ambient oxygen enrichment and depletion monitor which is simple to use and maintain.

The Safe-Ox+ consists of a wall mounted main sensor unit and a repeater. It is ranged from 0 to 25% O₂ and has 1 low and 1 high audio/visual alarm. The sensor has a long life and calibration adjustment is only required once the unit is initially installed and following a cell replacement and can be achieved using certified air*. We recommend a proof test is carried out every 12 months.

Industries that store and operate with high levels of O₂ need to detect and monitor the levels of oxygen - should there be a leak of enriched O₂ this could prove to be a fire risk. Enriched oxygen is used in a variety of industries and applications such as: commercial dive systems, hyperbaric oxygen therapy (HBOT), gas production and gas blending stations, medical and laboratory gases such as nitrous oxide/oxygen mixes, sulphuric and nitric acid manufacture, mining, steel manufacture and metal refining, aquaculture and glass manufacture. The Safe-Ox+ provides a high O₂ alarm ideal if you are using pure oxygen, to protect you from O₂ enrichment. If there is a leak or build up of inert gas such as nitrogen, argon or helium the Safe-Ox+ can also warn of oxygen depletion.

The Safe-Ox+ can be wall mounted at normal working head height in the gas storage room, or where enriched O₂ is piped. The unit comes with one repeater as standard which is located at the entrance to the room. The Safe-Ox+ has an integral pressure sensor that allows the device to automatically compensate for local pressure changes.

* Unless your local legislation/regulations state otherwise



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SPECIFICATIONS

O₂ range: 0.1 to 25%

Sensor accuracy: better than $\pm 0.75\%$ O₂ over 5.0 to 25.0% O₂

Response time (T₉₀): <60 seconds

Operating temperature: 0 to +40 °C (+32 to +104 °F)

Temperature effect: 0.2% of reading/°C or 0.1115% of reading/ °F

Atmospheric pressure range: 811 to 1050 mbar absolute

Warm up time: 10 seconds to normal operation, prior to calibration allow 2 hours to achieve full accuracy

Dimensions: central unit = 175 x 105 x 75 mm, alarm repeater = 155 x 72 x 45 mm

Weight: central unit = 600g, alarm repeater = 150g

IP rating: IP65 for central unit and alarm repeater, unless the alarm repeater is quick connect then it is IP43

Sensor type: electrochemical cell

Sensor life: up to 7 years in air

Display: 4 digit LCD

Alarms: 2 x alarm visual indicators, 1 x system fault indicator, 1 x status indicator, common audible alarm

Relays: one or two optional alarm relays with changeover contacts assigned to alarm 1, alarm 2 or system fault. Contact rating 240 V AC or 30 V DC at up to 2 A, contacts are non-latching fail-safe

Output: 2 wire, 4 to 20 mA (max load 150 Ω)

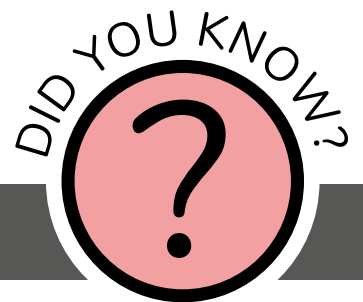
Power supply options: 210 to 250 V AC supply, 110 to 120 V AC supply, 9-24 V DC supply

ANALOX ASKS

How do you achieve compliance with IMCA D023/D037?
The Safe-Ox+ can help with this.



Did you know that there is no risk of accidental calibration?
It will not allow you to calibrate it using ambient air.



You can call us

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