

# Safe-Ox+

Oxygen Depletion & Enrichment Monitor



## KEY FEATURES

- Long-life O<sub>2</sub> 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% O<sub>2</sub> 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 O<sub>2</sub> need to detect and monitor the levels of oxygen - should there be a leak of enriched O<sub>2</sub> 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 O<sub>2</sub> alarm ideal if you are using pure oxygen, to protect you from O<sub>2</sub> 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 O<sub>2</sub> 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

**O<sub>2</sub> range:** 0.1 to 25%

**Sensor accuracy:** better than  $\pm 0.75\%$  O<sub>2</sub> over 5.0 to 25.0% O<sub>2</sub>

**Response time (T<sub>90</sub>):** <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  $\Omega$ )

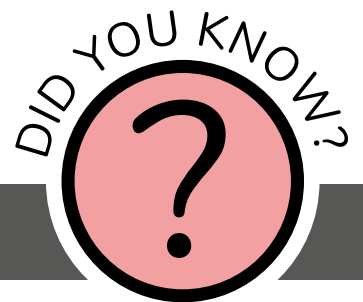
**Power supply options:** 210 to 250 V AC supply, 110 to 120 V AC supply, 9-24 V DC supply

## 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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# ANALOX

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