
## Oxygen Level Monitoring

# O2NE+ Oxygen Monitor and Alarm

## Benefit from the protection of the fully featured O2NE+ Oxygen Level Monitor and Alarm unit complete with a 7 year sensor life

The use of inert and speciality gases is common in many medical applications including:

- MRI rooms (Helium is used as a coolant for a superconductors in MRI machines)
- Cryopreservation (LN2 used for blood, sperm and egg preservation)
- Tissue preservation
- Deep freeze – pathology
- Breathing observation – Asthma, Emphysema (Helium)
- Cancer treatment (Argon lasers)

Should there be a leak or build-up of these gases, which are both colourless and odourless, in a confined space this will deplete the level of oxygen and can pose a danger to employees and visitors to your workplace.

The O2NE+ provides two audio visual alarms which are pre-set at 19.5 % & 18 % (but can be adjusted) to warn personnel of a potential leak which may cause the O2 levels to deplete to a dangerous level.

The O2NE+ main sensor unit is wall mounted at a level appropriate to the gas being used. The repeater unit/s are then sited at the entrance/s to the area to let staff or visitors know if it is safe to enter or not.

- Easy to install
- Cost effective solution
- Minimal maintenance
- Reliable
- Peace of mind
- Convenient

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## O2NE+

- Simple calibration - The O2NE+ can be calibrated in pure air which is easy to source, easy to transport and affordable.
- Long sensor life - $O_2$ sensor will last 7 years.
- Minimal maintenance - Unlike other oxygen monitors the O2NE+ only needs calibrating every 18 months and the sensor only needs replacing every 7 years, instead of every 2 years.
- "Plug and play" - The O2NE+ is easily wall-mounted and basic installation does not require a qualified electrician.
- Repeater included – The O2NE+ comes complete with a repeater which should be placed at the room entrance to warn of a potential hazard before entering the room.

**TECHNICAL SPECIFICATIONS**

| Sensor Specifications | |
|---|---|
| Measurement Technique | $O_2$ – partial pressure electrochemical cell with atmospheric pressure compensation |
| Range | $O_2$: 0.1 to 25.0 % |
| Accuracy | Better than ± 0.75 % $O_2$ over 5.0 to 25.0 % $O_2$ Better than ± 1.00 % $O_2$ over 0.1 to 5.0 % $O_2$ |
| Response Time | $O_2$ – 60 seconds |
| Warmup Time | 30 seconds |
| Expected Sensor Life | 7 years |
| Sensor Warranty | 2 years |
| Sensor Calibration Period | 1.5 years |

| Analyser Specifications | |
|---|---|
| Analyser Type | Fixed |
| Supply Voltage | 230 V AC, 110 V AC, 9 to 24 V DC |
| Operating Temp | 0 to 40 °C power consumption: < 5 Watts |
| Display | 4 digit LCD |
| Dimensions | Analyser 175 x 110 x 75 mm Repeater 72 x 170 x 45 mm |
| Ip Rating | Analyser I p65 Repeater Ip65 (quick connect I p43) |
| Sounder | 85 dbA @ 10cm |
| Alarms | 18.0 % Alarm 19.5 % Alarm |

| Other Information | |
|---|---|
| Optional Extras | 4 to 20 mA, 0 to 1 V, 2 x relays |
| Warranty | 2 years |
| Approvals | EMC Directive 89/336/EEC (EN50270:1999, EN61000-63:2001+A11:2004) Low Voltage Directive 73/23/EEC (BS EN 61010-1:2001, IEC 61010-1(2ed)) AS61010. **1- 2003 (Australia & New Zealand) CSA (cCSAus), Master Contract 239512, Certificate 1909026** |

As part of our policy of continuous improvement we reserve the right to upgrade or change specifications without prior notice.

*Specifications may change without notice. Third party trademarks acknowledged.*

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