



## 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

Want to find out more about monitoring and safety equipment? [enquiries@planer.com](mailto:enquiries@planer.com)



# O2NE+ Oxygen Monitor

- Simple Calibration - The O2NE+ can be calibrated in pure air which is easy to source, easy to transport and affordable.
- Long Sensor Life - O<sub>2</sub> 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.

Sensor specifications:	
Measurement technique:	O <sub>2</sub> – partial pressure electrochemical cell with atmospheric pressure compensation
Range:	O <sub>2</sub> : 0.1 to 25.0 %
Accuracy:	Better than ± 0.75 % O <sub>2</sub> over 5.0 to 25.0 % O <sub>2</sub> Better than ± 1.00 % O <sub>2</sub> over 0.1 to 5.0 % O <sub>2</sub>
Response time:	O <sub>2</sub> – 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 IP65 Repeater IP65 (quick connect IP43)
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.

Description	New Planer Part Number (Planer Branded)
O2NE+ Oxygen Monitor - Long Life Sensor, Repeater, UK Plug, 230 V	FANXAX1BK10X55QXY30
O2NE+ Oxygen Monitor - Long Life Sensor, Repeater, UK Plug, 230 V, 4-20 mA output	FANXAX1BK10X55Q4Y30
O2NE+ Oxygen Monitor - Long Life Sensor, Repeater, Euro Plug, 230 V	FANXAX1BK10X11QXY30
O2NE+ Oxygen Monitor - Long Life Sensor, Repeater, Euro Plug, 230 V, 4-20 mA output	FANXAX1BK10X11Q4Y30
O2NE+ Oxygen Monitor - Long Life Sensor, Repeater, US Plug, 110 V	FANXAX1BK10X56QXY30
O2NE Oxygen Monitor - Long Life Sensor, Repeater, US Plug, 110 V, 4-20 mA output	FANXAX1BK10X56Q4Y30
O2NE+ Oxygen Monitor - Long Life Sensor, Repeater, Australia Plug, 230 V	FANXAX1BK10X20QXY30
O2NE+ Oxygen Monitor - Long Life Sensor, Repeater, Australia Plug, 230 V, 4-20 mA output	FANXAX1BK10X20Q4Y30

Specifications may change without notice. Third party trademarks acknowledged. C1046/V2

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