



## **O2NE+ & Safe-Ox+**

### User Manual

THIS IS A PRECISION DEVICE!

- KEEP UP RIGHT
- ALLOW 2 HOUR WARM UP
- DO NOT SHOCK OR DROP

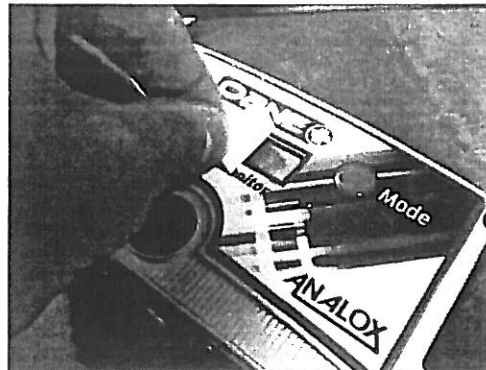
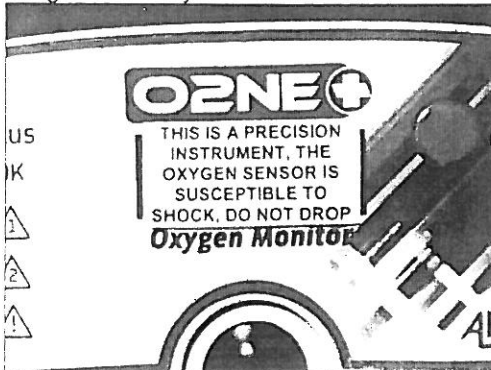
Commercial in Confidence

#### **4 Installation of the product**

**NOTE** – The O2NE+ and Safe-Ox+ range of instruments are precision instruments and therefore are susceptible to shock. Care should be taken when installing your O2NE+ or Safe-Ox+ so as to not damage the instrument.

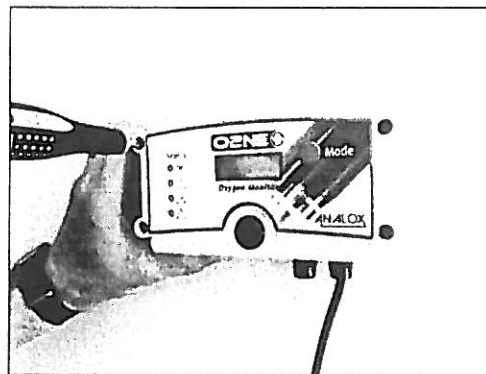
##### **4.1 Removal of warning label from display**

Prior to fitting the Ax O2NE+™/Safe-Ox+™ the warning label must be removed from the instrument display window. This is an easy peel label and should be removed easily without leaving behind any residue.



##### **4.2 Wall mounting**

The Ax O2NE+™/Safe-Ox+™ should be mounted onto a wall at normal working head height using the mounting lugs and drilling template supplied. Use the paper template to drill the 4 required holes in the wall and use the rawl plugs and screws provided to mount the unit. It is not necessary to dismantle the Ax O2NE+™/Safe-Ox+™ main unit in any way prior to installation. You need to ensure the mains plug, fused at 3 amps, is in easy reach of a power socket.



The alarm repeater housing also has wall mounting lugs.

**7 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> Better than $\pm 1.00\%$ O <sub>2</sub> over 0.1 to 5.0% O <sub>2</sub>	
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 1050mbar absolute	
Warm up time	10 seconds to normal operation Prior to calibration allow 2 hours to achieve full accuracy.	
Weight (without cables)	O2NE+™/	600g
	Alarm Repeater	150g
Dimensions	O2NE+™/Safe-Ox+™	175x105x75 mm
	Alarm Repeater	155x72x45 mm
IP rating	O2NE+™/Safe-Ox+™	IP65
	Alarm Repeater	Hard wired – IP65 Quick connect – IP43
Sensor type	Electro-Chemical Cell	
Sensor life*	7 years in air	
Display	4 digit Liquid Crystal Display	
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 240V AC or 30V DC at up to 2A. Contacts are non-latching Fail-Safe.	
Output	2 wire, 4 to 20mA (Max load 150 $\Omega$ )	
Power supply options	a) 210 to 250VAC supply b) 110 to 120VAC supply c) 9-24VDC supply	

\* Typical performance, with fixed temperature, humidity and pressure

