AirSafe O$_2$

OXYGEN MONITOR & WARNING ALARM

The AirSafe O$_2$ Oxygen Monitor and Alarm is an easy-to-install, wall-mounted, modular oxygen deficiency monitor and warning alarm system, providing continuous monitoring of oxygen concentration in the surrounding air and both visual and audible alarms when these fall outside pre-set levels. The AirSafe O$_2$ includes a long-life three-year oxygen sensor.

AirSafe O$_2$ Monitor

KEY FEATURES

> Oxygen monitor unit operates continuously for three years and cannot be switched off, giving maximum user protection.

> Built-in visual and audible alarms with separate 'low' and 'critical' alarm states.

> Internal Audible alarm is 85dBA at 30cm.

> Long life oxygen sensors provide 36 months operation in normal use.

> Audible/visual alarms at the monitoring point not only at a remote location.

> Oxygen enrichment, deficiency and high/low monitoring options.

> Simple & secure connections to repeater modules using a pre-wired plug in connector (up to a maximum of 100m).

> Modular system which allows users to completely design and customise the system to suit their exact requirements.

> Confidence flash on oxygen monitor confirms operational status of system.

> Battery-powered providing continuous operation in the event of a power failure.

APPLICATIONS

The AirSafe O$_2$ Oxygen Monitor may be used as a stand-alone device with its own audible and visual alarms, or linked to other repeater modules to mimic the condition of the monitor. Repeater modules can be connected to the AirSafe O$_2$ and located outside the monitored area to warn users at the point of entry. The system can be fully customised to allow multiple location monitoring and further modules can be easily added at a later date to expand the scope of the system.

NB Oxygen deficiency monitors must not be used for the detection of carbon dioxide gas.

AirSafe O$_2$

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TECHNICAL SPECIFICATIONS

Monitor/Alarm Unit

Dimensions	H120 x W80 x D55 mm
Weight	550g (excl cable)
Alarm Indications	ALARM – red flashing LED + audible bleep
	CRITICAL ALARM – red flashing LED + audible bleep
	BATTERY WARNING – red constant LED + constant tone
	CALIBRATION LIGHTS – two green constant LEDs
	CONFIDENCE FLASH – green flashing LED
Alarm Set Levels	19.5% and 18% alarm set levels

SERVICE AND SUPPORT

Design & installation	Quantum can advise on how to integrate your existing equipment and/or design systems to suit specific requirements and maximise safety and reliability.
Calibration	It is recommended that all products are calibrated at least every 12 months, either on site or at Quantum Cryogenics.
Maintenance and refurbishment	A maintenance check is advised every 12 months. Quantum offers a choice of maintenance contracts and will refurbish/upgrade any product, regardless of age or condition.

Quantum Production has a policy of continuous improvement and we reserve the right to upgrade or change specifications without prior notice. Full technical specifications are available upon request.

CryoPanel 1

EQUIPMENT OPTIONS

PART NO.	DESCRIPTION
AirSafe O$_2$ HH	for monitoring high Oxygen levels only with high and critically high alarm levels
AirSafe O$_2$ LL	for monitoring Oxygen Deficiency only with low and critically low alarm levels
AirSafe O$_2$ HL	for monitoring both high and low Oxygen levels with a critically high and critically low alarm level
AirSafe CO$_2$	Carbon Dioxide Monitor (see separate datasheet for full details)

ACCESSORIES

PART NO.	DESCRIPTION
AirSafe O$_2$ CC	10m interconnecting cable (please ask if additional length is required)
AirSafe O$_2$ RS	2 part pack – one sensor, one battery
CryoPanel 1	Single channel repeater with LCD display to show oxygen concentration and mimic alarms
CryoPanel 4	Central monitoring panel for single or multiple gas monitors and other laboratory monitoring devices. Standard facility for BMS, safety valve control and extraction systems
TGKIT	Test gas kit

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