One2One O$_2$

OXYGEN MONITOR
& REMOTE WARNING ALARM

The One2One O$_2$ Oxygen Monitor and Alarm combines simple, reliable operation with ease of installation, providing a low cost solution for oxygen monitoring. It continuously monitors the concentration of the oxygen in the air surrounding its sensor. When the monitored concentration falls below pre-set levels, the One2One provides visual and audible alarms both at the base monitor (for personnel already in the room) and remotely at the entrance to the room.

One2One O$_2$ Monitor

KEY FEATURES

→ Two part system consisting of an oxygen monitor and a remote alarm unit.

→ Oxygen monitor includes oxygen sensor and local audible/ visible alarms.

→ Remote alarm unit mimics oxygen monitor alarms at the entrance door to warn against entry.

→ System cannot be switched off, giving maximum protection to the user.

→ Large LCD display fitted in the repeater unit provides actual oxygen levels by %.

→ Both units have built in visual and audible alarms with two alarm states: Alarm & Critical Alarm.

→ System is battery powered (no additional power supply is needed)providing continuous operation in the event of a power fail. Fixes easily to a wall.

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

→ Easy to fit connectors with 10m interconnecting cable as standard. Can be fitted up to 100m from repeater.

→ Long Life user replaceable oxygen sensor/battery packs giving two years operation in normal use.

APPLICATIONS

The One2One system is ideal for simple, single room applications. Personnel approaching the monitored area will be given advance warning by visual and audible alarms on the remote alarm unit fitted at the entrance door. The remote alarm mimics the audible and visual alarms provided by the base monitor giving users working inside or close to the protected area warning of dangerous oxygen levels. Two independent alarm levels are pre-set on the oxygen monitor. These provide an 'Alarm' and a 'Critical Alarm' should levels change further. Alternative systems are available for more complex working environments. For more information contact Quantum Cryogenics.

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One2One Repeater at entrance to room

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

Remote Unit with LCD Display

Dimensions	H80 x W120 x D55 mm
Weight	500g (excl cable)
Alarm Indications	ALARM – red flashing LED + audible bleep BATTERY WARNING BASE UNIT – red constant LED + constant tone BATTERY WARNING REMOTE UNIT – red constant LED + constant tone LARGE DISPLAY – Digital LCD 15–25% oxygen

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.

EQUIPMENT OPTIONS

PART NO.	DESCRIPTION
One2One CO$_2$	Carbon Dioxide Monitor & Remote Warning Alarm (see separate datasheet for full details)

ACCESSORIES

PART NO.	DESCRIPTION
One2One CC	10m interconnecting cable (please ask if additional length is required)
One2OneRS/RB	3 part pack – one sensor, two batteries

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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.