

# One2One CO<sub>2</sub>

## CARBON DIOXIDE MONITOR & REMOTE WARNING ALARM

The One2One CO<sub>2</sub> Carbon Dioxide Monitor and Alarm combines simple, reliable operation with ease of installation, providing a low cost solution for carbon dioxide monitoring. It continuously monitors the concentration of the carbon dioxide 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.

### KEY FEATURES

- Two part system consisting of an carbon dioxide monitor and a remote alarm unit.
- Carbon dioxide monitor includes carbon dioxide sensor and local audible/visible alarms.
- Remote alarm unit mimics carbon dioxide monitor alarms at the entrance door to warn against entry.
- No ON/OFF switch, giving maximum protection to the user.
- Large LCD display fitted in the repeater unit provides actual carbon dioxide levels by %.
- Both units have built in visual and audible alarms with two alarm states: Alarm & Critical Alarm.
- Easy to fit connectors with 10m interconnecting cable as standard. Can be fitted up to 100m from repeater.
- Long Life carbon dioxide sensor giving 10 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 carbon dioxide levels. Two independent alarm levels are pre-set on the carbon dioxide 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.

# One2One CO<sub>2</sub>

## CARBON DIOXIDE MONITOR & REMOTE WARNING ALARM

### TECHNICAL SPECIFICATIONS

#### One2One 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
Power	Battery pack (replace every 2 years)

#### QFM440 Monitor/Alarm Unit

Dimensions	H150 x W90 x D50 mm
Weight	550g (excl. cable)
L.E.D.s	Warning alarm, critical alarm, power indication, low battery indication, service
Alarm indication	Audible - 85dBA at 30cm
Calibration test	Test switch (RED flashing LEDs + audible bleep)
Indications and Alarms	High CO <sub>2</sub> (1.5%)*, Critically High CO <sub>2</sub> (3.0%)* Warning alarm (Red flashing LED + audible bleep) Critical alarm (Red flashing LED + audible bleep) Service warning (Yellow constant LED + audible bleep) <small>* Alarm levels are factory pre-set and may be varied according to industry best practice levels.</small>
Power	Low voltage power supply unit

### SERVICE AND SUPPORT

<b>Design &amp; installation</b>	Quantum can advise on how to integrate your existing equipment and/or design systems to suit specific requirements and maximise safety and reliability.
<b>Calibration</b>	It is recommended that all products are calibrated at least every 12 months, either on site or at Quantum Cryogenics.
<b>Maintenance and refurbishment</b>	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
<b>One2One O<sub>2</sub></b>	Oxygen Monitor & Remote Warning Alarm (see separate datasheet for full details)

### ACCESSORIES

PART NO.	DESCRIPTION
<b>One2One CC</b>	10m interconnecting cable (please ask if additional length is required)
<b>QR330B</b>	2 year battery pack

**Head Office**  
Quantum Cryogenics  
Units 1-3  
Hatherleigh Industrial Estate  
Hatherleigh  
Devon EX20 3LP

**Bio-Storage**  
Quantum Bio-Storage  
Unit 6E  
Cranmere Road  
Okehampton  
Devon EX20 1UE

**Engineering**  
Quantum Cryogenics  
7A Lupton Road  
Thame  
Oxfordshire  
OX9 3SE

