

# TWO YEAR PERSONAL OXYGEN MONITOR AND ALARM QPM3200

A PERSONAL COMPACT OXYGEN MONITOR WITH LCD DISPLAY FOR CONTINUOUS MONITORING OF OXYGEN CONCENTRATIONS IN SURROUNDING AIR



- ◆ LCD Display on top for optimal viewing by user and operational confirmation of continuous operation
  - ◆ Warning alarm and low battery (service) alarm sited along side LCD display for optimal visibility. Low battery alarm will alarm for several days continuously.
  - ◆ Operates continuously for up to two years under normal ambient conditions – no need for re-charging
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- ◆ Replacement sensor/battery pack can be supplied by post and easily fitted by the user
  - ◆ Easily calibrated by user in fresh air using LCD display
  - ◆ Small compact size 125mm x 65mm x 23mm approx. Lightweight unit – 200g approx.
  - ◆ Available with cut off of LCD display when in alarm condition or continuous reading as required
  - ◆ Easily calibrated in fresh air using LCD display
  - ◆ Cannot be switched off – protects users at all times
  - ◆ Belt/pocket clip provided
  - ◆ Ear phone for noisy environments

The NEW QPM3200 represents all the technical advantages of the well known PM32 but provides significant added value with an LCD display as standard and a two year life of continuous operation with no ON/OFF switch which could potentially leave users at risk.

The New QPM3200 is a personal oxygen monitor which monitors continuously the concentration of oxygen in the surrounding air and provides both visual and audible alarms should the detected concentration of oxygen fall below the pre - set LOW ALARM level or above the pre - set HIGH ALARM level.

The QPM3200 contains a long life two year oxygen sensor and special built-in battery pack which allows the unit to operate continuously for at least two years under normal ambient conditions.

Replacement sensor/battery packs can be easily fitted by the user or alternatively a full return by post service/calibration check can be provided by Wessington as required.

The QPM3200 protects users from the potential hazard of nitrogen, argon, helium deficiencies in conjunction with oxygen enrichment.

## **SPECIFICATION**

Dimensions	125mm (L) x 65mm (W) X 23mm (H)- fits into breast pocket
Weight	200gms approx
Fixings	Clip for pocket or belt mounting (leather case optional)
Alarms	HIGH ALARM - flashing red l.e.d. and audible bleeper (normally set at 22%) LOW ALARM - flashing red l.e.d. and audible bleeper (normally set at 19%) Other alarm settings available  Optional earpiece for noisy operating environments
Read-out	LCD display to 0.01
Calibration Test	By simple adjustment in fresh air using LCD as reference point



# Q-330 Oxygen Deficiency Monitor & Warning Alarm

SIMPLE BATTERY POWERED MODULAR SYSTEM FOR CONTINUOUS MONITORING OF OXYGEN CONCENTRATIONS WITH NO NECESSITY FOR MAINS CONNECTION

- ◆ Base module acts as simple stand-alone unit or in conjunction with a range of remote alarm / display units allowing customisation to suit different locations. System simply 'plugs' together to allow easy connection of alarms and displays to suit every application.
- ◆ System is battery powered and fixes easily to a wall with NO NEED for wiring to mains power.
- ◆ Base unit cannot be switched off, giving maximum protection to the user.
- ◆ All modules have built in visual and audible alarms with two alarm states 'Low' and 'Critically Low'.
- ◆ Lightweight, compact and easy to maintain.



The Q-330 Oxygen Monitor and Alarm System 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 and provides both visual and audible alarms when the monitored concentration falls below pre-set levels.

The Q-330 system is designed to be completely modular with the basic building being the QFM-330 monitor. This unit incorporates a sensor which is placed at an appropriate sensing point by simply screwing to the wall (NO ADDITIONAL POWER SUPPLY IS NEEDED). The QFM-330 also includes audible and visual alarms and by simply plugging in additional modules to the base unit, a number of additional facilities are available. The alarm can be repeated at a remote site; a digital display of the oxygen concentration can be added and a switching unit for connection of fans, valves or other alarm systems can be provided simply by selecting the appropriate additional modules. A computer connection can also be included. The repeater units are all battery powered, with the exception of a further mains powered module which incorporates a boosted klaxon and warning beacon, for use in particularly noisy operating environments. Additional modules can be added to the system when initially installed, or at a later date without need for modification of the basic unit.

Any number of base sensing units can be fitted at any site to allow for the need for multiple sensing. The Q-330 by selective use of appropriate modules can provide a low cost solution to every scenario from a simple single monitor to a large monitoring system spread over a number of rooms requiring many monitors and alarms.

## OPERATION

Two independent alarm levels are pre-set on the base unit. These provide a 'Low Alarm' at 19% and a 'Critically Low' alarm should levels fall still further to 18%. Audible alarms are 85dBa at 30cm for all battery operated units. Long life oxygen sensors are employed which will provide 24 months operation in normal use. A replacement sensor pack can be supplied by post without the need to return the unit and additional modules can be added, if required, without any modifications to the existing system.

Item	Part Number
Base Sensing Module	QFM-330
Remote Alarm Repeater	QRA-330
Remote Alarm Repeater With LCD Display	QRD-330
Remote Mains Powered Beacon, Audible Alarm, Display and Relay Repeater (Single or Four Channel)	QRL-330/1 or QRL-330/4
Replacement Sensor Pack for Base Unit (Including Battery)	QM-330RS
Replacement Battery Pack for Repeater Units	QR-330B
Interconnecting Cable (10m Standard Length)	QM-330CC
Battery Backup	QM12VBAT
Telephone Auto Dialer	QAD-200
Mains Relay Output Connection	QRL-330MSB

### QFM-330 Monitor / Alarm Unit

Dimensions	150 (high) x 90 (wide) x 50 (deep) mm	
Weight (excl. Cable)	550g	
Indications	Low Alarm	(Red Flashing LED + Audible Bleep)
& Alarms	Critical Low Alarm	(Red Flashing LED + Audible Bleep)
	Battery Warning	(Red Constant LED + Constant Tone)
	Calibration Lights	(Two Green Constant LED's)

### QRA-330 Monitor / Alarm Unit

Dimensions	130 (high) x 105 (wide) x 60 (deep) mm	
Weight (excl. Cable)	450g	
Indications	Low Alarm	(Red Flashing LED + Audible Bleep)
& Alarms	Critical Low Alarm	(Red Flashing LED + Audible Bleep)
	Battery Warning Base Unit	(Red Constant LED + Constant Tone)
	Battery Warning Remote Unit	(Red Constant LED + Constant Tone)

### QRD-330 Monitor / Alarm Unit With LCD Display

Dimensions	130 (high) x 105 (wide) x 60 (deep) mm	
Weight (excl. Cable)	450g	
Indications	Low Alarm	(Red Flashing LED + Audible Bleep)
& Alarms	Critical Low Alarm	(Red Flashing LED + Audible Bleep)
	Battery Warning Base Unit	(Red Constant LED + Constant Tone)
	Battery Warning Remote Unit	(Red Constant LED + Constant Tone)
	Display	(Analogue Panel Meter 17-22% Oxygen)