



OX-45M Oxygen Analyser

O₂ Analysers for Laboratory and Process applications

- 0.01 TO 100.0 %O₂ RANGE
- HIGH & LOW ALARMS
- UNDER/OVER ALARM FUNCTION
- 4-20 mA OUTPUT
- AIR CALIBRATION
- CHOICE OF SENSORS



OX-45M

Applications

- gas mixture monitoring
- nitrogen generation
- welding gas monitoring
- tank purging
- controlled atmosphere %O₂
- work area %O₂ deficiency

The OX-45M Oxygen Analyser offers a collection of features which are designed to meet the need of most laboratory and industrial application. These are;- a switch selected high resolution low and a full scale measurement range, user programmable alarm set points, user determined Over/Under alarm response functions and full scale analogue output on each range. Also, there is choice of application specific O₂ sensors which are selected to suit the nature of the application as diffusion type, for ambient monitoring, through flow, for piped sample monitoring and the High Pressure type for direct connection to pressurised systems. The list is completed by choice of a 1/4 DIN model for OEM application and a IP67 weather proof model for installation onto an existing system.



OX-45WM IP67

SPECIFICATIONS

Low Range:	0.01-22.00% O ₂
High Range:	0.1-100.0% O ₂
Range select:	Selector slide switch
Accuracy:	0.01% O ₂ (subject to calibration)
Alarms:	Programmable High & Low
Relay :	5 A resistive load
Alarm function:	Internal switches (under/over)
Analogue o/p:	4-20 mA (500 r max)
Calibration:	20.94% ambient O ₂ reference
Power:	110/230 V AC or 24V DC
Dimensions A	(OX-45M) 96 x 96 x 165 mm
Panel cut out:	92 x 92 mm
Dimensions B:	(OX-45WM) 90 x 190 x 130 mm
OX-45WM:	Glass filled polycarbonate
Sensor:	Electrolytic fuel cell
Dimensions:	30 x 102 mm, moulded case
Shell material:	Polypropylene
Through flow:	Type OX-500
Diffusion:	Type OX-550
High pressure:	Type OX800/P
Cable connection:	2 metre (standard)

MOLECULAR CONTROLS LTD

Commerce Court - Challenge Way
Bradford BD4 8NW - W.Yorks - England
Ph: (44) 01274-667-556 Fx: (44) 01274-667-519
E-mail: sales@molecular-controls.com



O₂ SENSORS

Moulded polypropylene outer shell. Connection twist lock 5 pin DIN. IP65 weather proof connector optional.



OX-500 diffusion style



OX-550 through flow style

Sample flow 0.5 to 1.0 litre/min at atmospheric pressure

Exhaust



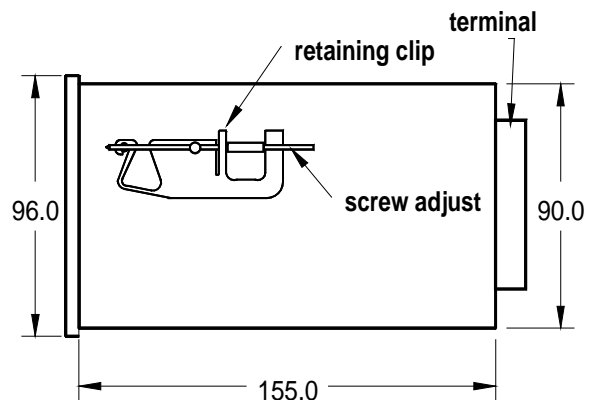
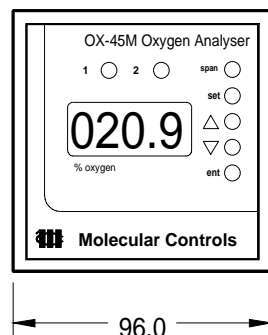
OX-800/P High Pressure sensor

INLET

The INLET 1/8" BSP male pipe connector is replaceable to suit need. Input pressure 0-8 bar maximum. Flow is unidirectional exhausting to atmosphere.

The sensor employs special valve to block the high pressure but to release a 200 cc/min sample to flow across the internal sensor for analysing O₂ concentration. O₂ analysis is therefore at atmospheric pressure irrespective of the input pressure.

OX-45M Oxygen Analyser dimensions



OX-45WM (IP67) dimensions

