

oxygen monitoring

MySign® O Oxygen Monitor

High performance hand-held monitor for clinical, emergency and home ventilation environments

ENVITEC
by Honeywell



Actual Size

- Fast and accurate measurement
- Lightweight, fast, simple and reliable
- For use in: general clinical applications, neonatal and intensive care units, emergency and rescue services, CPAP machine and oxygen concentrator applications...
- Wide range of functions
- Robust design IP54, IK05 ratings
- Extra large easy-to-read rotating TFT colour display
- Certified bio-compatibility

The MySign O is the ideal companion for patient care and monitoring. It is compact, lightweight and extremely easy to use. Offering the high precision required for anaesthesia and neonatal applications along with a sturdy design suitable for paramedics and pre-hospital applications.

The MySign O will always provide immediate access to ventilation parameter FiO_2 for patients, therefore offering safety, even in critical situations.

With the use of the universal mounting clamp (supplied separately) it provides fast mounting, fitting any shape of rail.

M VIAMED

The reliable companion for monitoring oxygen concentration in breathing gases in intensive and emergency medicine applications

MySign O Oxygen Monitor

- MySign O Monitor
- OOM111 Oxygen Sensor
- Sensor Cable (Coiled 0.5m, extendable)
- 15mm O.D. Sensor Flow Divertor
- 'T' Adapter (22mm I.D. - 22.. O.D., T = 15mm I.D.)
- USB data cable
- Power supply (UK and EU Plug)*
- 1 x Li-ion battery
- PC software
- Instruction manual on CD

* Only available in the Kit part number 0111277



Key Features of the MySign O Oxygen Monitor

- Fast, accurate and reliable monitoring of vital parameters
- Robust, compact and lightweight design
- Clear, bright and easy-to-read extra large TFT colour display
- High contrast screen at all angles
- Cost effective and easy-to-use
- Backlid keypad
- Easy-to-clean
- Configurable high and low alarms
- Provides high precision required for anesthesia and neonatal applications
- Flexible - minimal service and maintenance required
- Simple calibration methods
- Versatile; handheld or desktop features
- High level of protection against particles and water
- Powered by manufacturers USB / Mains adapter





Powerful MySign PC Software

With the convenient MySign PC Software all measured values, selected alarm limits and alarm messages can be transferred to the computer via the USB interface. The data can be viewed on the computer and patient information added. The PC software enables basic statistical evaluation of the stored data.

The software can also be used to display and store the measurement values and alarm messages on the computer.



Mounting Options

The convenient robust aluminium universal mounting clamp from Envitec fits any shape of rail, can be adjusted and fastened in any position.

Standard Viamed mounting options can also be used if teamed with a mounting bracket. Contact us for further information.

The MySign O screen will also rotate to make using on the universal mounting clamp much easier.

**In use
image if
possible**

Applications

The MySign O Oxygen monitor is suitable for the following applications:

- Patient transport within and between hospitals
- Rescue services and emergency medicine
- General and Paediatric ICU

Measuring Range	0 - 100% Oxygen
Display Resolution	0.1% oxygen
Accuracy	< 1% volume O ₂ , when calibrated at 100% vol. O ₂
Offset	< 1% volume O ₂ in 100% N ₂
Response time	< 12 seconds to 90% of final value
Linearity error	< 3% relative
Drift	< 1% volume O ₂ over 8 hours
Cross-sensitivity	in compliance with DIN EN ISO 21647
Operating humidity	0 - 99% relative humidity (non-condensing)
Effect of humidity	0.03% relative per % RH
Ambient pressure	750 to 1250 hPa
Effect of pressure	Proportional to the change in oxygen partial pressure
Sensitivity to impact	< 1% relative after falling from a height of 1m
Temperature	
Operating temperature	0°C – 50°C
Temperature compensation	Integrated NTC compensation in the sensor
Storage temperature	-20°C – 70°C (device), -20°C – 50°C (sensor)
Recommended storage (sensor)	5°C – 15°C
Sensor type	OOM111 (galvanic oxygen sensor)
Sensor life	>1,000,000 % oxygen hours
Battery	
Type	Li-ion 3.6 V 2900 mAh
Operating time per charge	> 24 hours (at standard settings)
Charger	Protection Class II, Input: AC 110V - 230V / 50 - 60 Hz, Output: DC 1.5 A
Charge time	approximately 4 hours (USB)?
Display	240 x 320 pixel (2.8") multi-colour TFT
Cable length	Coiled cable 0.5m (maximum 2.5m)
Protection class	IP54
Impact resistance	IK05
Interface	USB 2.0
Alarms	
Functions	Monitoring of alarm limits and device functions (optical and acoustic)
Limits	Adjustable between - Upper limit: 20 - 103% Lower limit: 18% - 101%
Data storage	Maximum 96 hours (measurement series) reading date, time, alarm limits, events
Personalisation	Device and data set (e.g. name, station, patient ID)
Protection Class	II, Type BF
Class	IIa
Standards	The device complies with the requirements of MDD 93/42/EEC for medical devices and the applicable standards. Also in compliance with: DIN EN 1789 Medical vehicles and their equipment - road ambulances
Weight	Approximately 330g (with sensor)
Dimensions (device)	160 mm (H) x 72 mm (W) x 39 mm (D)
Warranty	Analyser 24 months, sensor 15 months
Part Numbers	
Envitec MySign O Oxygen Monitor	0111276
Standard accessories included:	
OOM111 oxygen sensor, USB cable, T-adapter, flow diverter	
Envitec MySign O Oxygen Monitor Kit	0111277
Standard accessories as above but also includes mains charger and adapters	

Distributed by:



Viamed Limited · 15 Station Road · Cross Hills
 Keighley · West Yorkshire · BD20 7DT · United Kingdom
 Tel: +44 (0)1535 634 542 Fax: +44 (0)1535 635 582
 Email: info@viamed.co.uk Website: www.viamed.co.uk

