

oxygen monitoring



MySign® O Oxygen Monitor

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

ENVITEC
by Honeywell



- 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, compact and lightweight design
- 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 provides immediate access to patients' oxygen concentration parameters, 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.



Actual Size



The reliable companion for monitoring oxygen concentration in breathing gases in intensive care 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. - 22mm 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

* Included as standard as part of 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
- Backlit soft key keypad
- Easy to clean
- Configurable high and low alarms
- Audible and colour indicated visual alarms
- Provides high precision required for anesthesia and neonatal applications
- Flexible - minimal service and maintenance required
- Simple calibration
- Versatile; hand-held or desktop features
- High level of protection against particles and water
- Powered by manufacturer's 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 downloaded onto 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 one-piece universal mounting clamp from Envitec fits any shape of rail, can be adjusted and fastened in any position.

The MySign® O screen will automatically rotate vertically and horizontally, making the use of the universal mounting clamp much easier.



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 temperature (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
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
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
CE Certification	Ila
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	
MySign O Universal Mounting Clamp	0121351

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Specifications Subject to Change