

# oxygen monitoring



## MySign® O Oxygen Monitor

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

**ENVITEC**  
by Honeywell

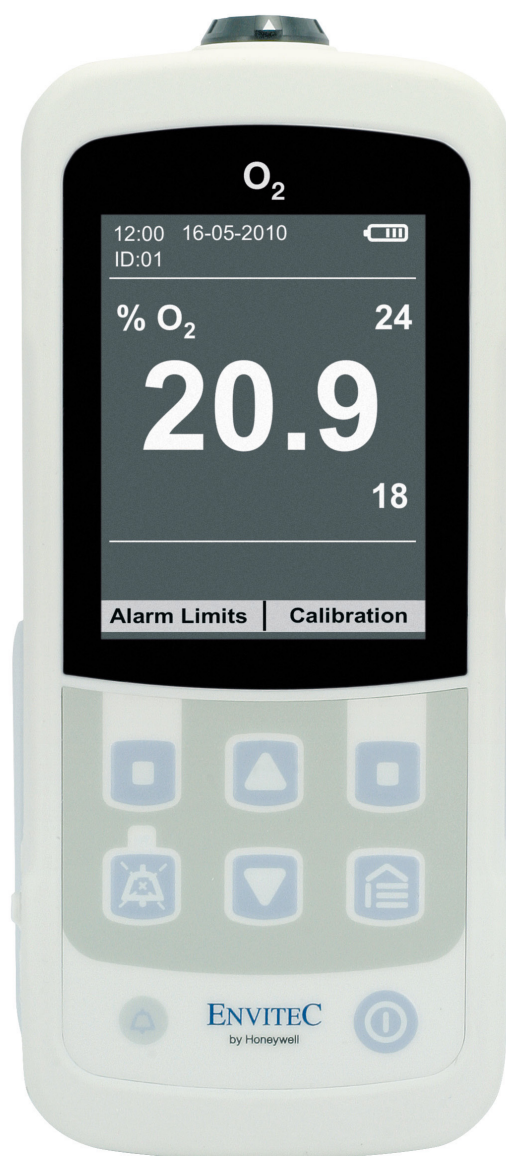


- Fast and accurate measurement
- Lightweight, fast, simple and reliable
- For use in: general clinical applications, neonatal and intensive care units, emergency and rescue services, home mechanical ventilation...
- Wide range of functions
- Robust design IP54, IK05 ratings
- Extra large rotating TFT 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 high precision required for anaesthesia and neonatal applications along with an uncompromising robustness for demanding rescue operations.

The MySign O will always provide immediate access to ventilation parameter  $\text{FiO}_2$  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.



<b>Measuring Range</b> - Oxygen	0 - 100%
<b>Display</b> - Resolution	0.1% oxygen
<b>Accuracy</b>	< 1% volume O <sub>2</sub> , when calibrated at 100% vol. O <sub>2</sub>
<b>Offset</b>	< 1% volume O <sub>2</sub> in 100% N <sub>2</sub>
<b>Response time</b>	< 12 seconds to 90% of final value
<b>Linearity error</b>	< 3% relative
<b>Drift</b>	< 1% volume O <sub>2</sub> over 8 hours
<b>Cross-sensitivity</b>	in compliance with DIN EN ISO 21647
<b>Operating humidity</b>	0 - 99% relative humidity (non-condensing)
<b>Effect of humidity</b>	0.03% relative per % RH
<b>Ambient pressure</b>	750 to 1250 hPa
<b>Effect of pressure</b>	Proportional to the change in oxygen partial pressure
<b>Sensitivity to impact</b>	< 1% relative after falling from a height of 1m
<b>Temperature</b>	
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
<b>Sensor type</b>	OOM111 (galvanic oxygen sensor)
<b>Sensor life</b>	>1,000,000 % oxygen hours
<b>Battery</b>	
Type	Li-ion 3.6 V 2900 mAh
Operating time per charge	> 24 hours (at standard settings)
<b>Charger</b>	Protection Class II, Input: AC 110V - 230V / 50 - 60 Hz, Output: DC 1.5 A
<b>Charge time</b>	approximately 4 hours (USB)?
<b>Display</b>	240 x 320 pixel (2.8") multi-colour TFT
<b>Cable length</b>	Coiled cable 0.5m (maximum 2.5m)
<b>Protection class</b>	IP54
<b>Impact resistance</b>	IK05
<b>Interface</b>	USB 2.0
<b>Alarms</b>	
Functions	Monitoring of alarm limits and device functions (optical and acoustic)
Limits	Adjustable between - Upper limit: 20 - 103% Lower limit: 18% - 101%
<b>Data storage</b>	Maximum 96 hours (measurement series) reading date, time, alarm limits, events
<b>Personalisation</b>	Device and data set (e.g. name, station, patient ID)
<b>Protection Class</b>	II, Type BF
<b>Class</b>	Ila
<b>Standards</b>	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
<b>Weight</b>	Approximately 330g (with sensor)
<b>Dimensions (device)</b>	160 mm (H) x 72 mm (W) x 39 mm (D)
<b>Warranty</b>	Analyser 24? months, sensor 15 months
<b>Part Numbers</b>	
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](mailto:info@viamed.co.uk) Website: [www.viamed.co.uk](http://www.viamed.co.uk)



Part Number: ???????  
 Date: 05/19

Specifications Subject to Change