



High-performance handheld monitor from a new family of devices for clinical, emergency and home ventilation applications

Oxygen measurement and monitoring for medical applications



# A New Philosophy

# My

## Your personal oxygen monitor

**MySign® O – the reliable companion for all  
FiO<sub>2</sub> monitoring situations in intensive care  
and emergency medicine**



**For quick and accurate decisions –  
MySign® O from EnviteC**

In all areas of patient care, sound decisions must be made on a regular basis, often under difficult conditions and typically under extreme time pressure. Such decisions are dependent on the fast and accurate monitoring of vital parameters. The handheld O<sub>2</sub> monitor MySign® O is the ideal companion for patient care and monitoring.



**Lightweight, fast, simple and reliable**

MySign® O is compact, lightweight and extremely easy to use. It offers the high precision required for anaesthesia and neonatal applications along with an uncompromising robustness for demanding rescue operations.

With the MySign® O you will always have immediate access to the ventilation parameter FiO<sub>2</sub> for your patients, offering safety, even in critical situations.



The MySign®O (actual size)

# Sign® O



## The MySign® O is extremely versatile and meets all applicable requirements

### General clinical use

Today's modern clinic requires cost effectiveness and efficiency in all areas. The MySign® O can be seamlessly integrated into all processes and procedures and limits servicing and maintenance to a minimum.

### Neonatal and intensive care units

The MySign® O meets the stringent requirements for fast and reliable O<sub>2</sub> values in all ventilation situations.

### Emergency and rescue services

As one of its basic features, the MySign® O offers absolute reliability under the harshest conditions.

### Home mechanical ventilation

Offers valuable support in analysis and patient-care for at-home oxygen therapy.



# Wide Range of Functions

## Simple and intuitive



### Self-explanatory icons

- Icon-based control
- Clear assignment of functions
- Soft keys for fast use

### Simple calibration

- Ambient-air calibration
- 100% oxygen calibration

### Substantial user benefits

- Comprehensive data and alarm management
- Versatile use as monitor (handheld or bedside) or spot-check device
- Reduction of false alarms
- Status priorities
- Digital documentation by means of PC software (included with device)
- Events can be reviewed in chronological order
- Configurable user profile

### PC Connection



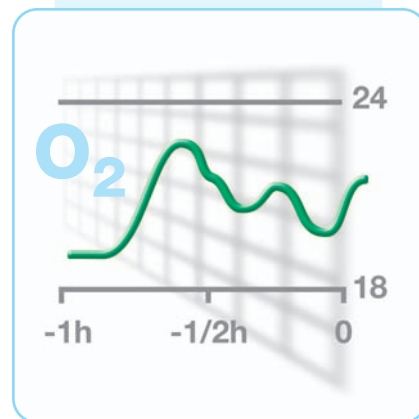
### Intuitive Operation



### Simple Calibration



### Trend Graph





# Highly Robust Design

Durable and hygienic

## Shock Protected



## Water/Dust-tight



## Easy to Clean



My  
O<sub>2</sub>-



### Robust construction

- IP 54 certified for water and dust resistance
- IK 05 impact strength
- Certified biocompatibility

### Fast and easy to clean

- Hygienic
- Tolerant against common cleaning agents and disinfectants



# Sign<sup>®</sup> 0

## Monitoring



## Optimal Handling

### Safe and practical



### Fast mounting, optimal stand

- Universal mounting clamp fits any shape of rail
- Can be adjusted and fastened in any position
- Robust, optional aluminium mounting clamp



### All data at a glance - large colour display

- Exceptional readability
- Extra-large TFT colour display
- High contrast from every angle
- Readable from several metres away

### Charging and powering with USB power adapter

- Guaranteed long-term monitoring
- Ready-to-use at all times with charging and powering via USB interface

### Backlit Keypad



### Rotating Display



### USB Power Management



# Optimal Availability

Cost-efficient, sustainable, reliable



## Maintenance free

- No technical measurement check according to Medical Devices Operator Ordinance (MPBetreibV)
- No maintenance cycles
- Full availability at all times
- Suitable for use in emergency vehicles



## Simple servicing

- Easy battery changing
- Quick updates via USB
- No special tools required; must not be sent in for servicing

## Reliable



## Environmentally friendly

- Recyclable materials
- Long service life
- Long-life Li-ion battery
- No battery disposal

## Battery Charging via USB



## Long Service Life



## Recycled Packaging





EnviteC has been developing and producing highly specialised medical devices for the healthcare industry for almost 20 years. Since 2006 EnviteC has been a subsidiary of the technology company Honeywell, one of the world's largest manufacturers of sensors.

### German subsidiary

Our cutting-edge research and development work is consistently in line with market needs. All development activities and the majority of production are carried out in Germany - with exceptional quality. EnviteC proves that it is possible to not only develop, but also manufacture top-quality products cost effectively in Germany.

### At the technological forefront

EnviteC has its own development department, which is a core part of the company, and co-operates closely with technology institutes in Germany and abroad.

### Contact us!

Do you have any questions or special requirements? Would you like to request a consultation appointment or a quote? We look forward to hearing from you!!

## Technical specifications

Measuring range:	0-100% oxygen
Display accuracy:	0.1% oxygen
Accuracy:	< 1% vol. O <sub>2</sub> , if calibrated with 100% vol. O <sub>2</sub>
Offset:	< 1% vol. O <sub>2</sub> in 100% N <sub>2</sub>
Response time:	90% of final value in < 12 sec.
Linearity error:	< 3% relative
Drift:	< 1% vol. O <sub>2</sub> 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 change in oxygen partial pressure
Sensitivity to impact:	< 1% relative after drop from 1m
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:	OOM 111 (galvanic oxygen sensor)
Sensor life:	> 1.000.000 % O <sub>2</sub> h
Battery:	Li-ion 3.6 V 2900 mAh
Operating time per charge:	> 24 hours (at standard settings)
Charger:	USB, Protection Class II, Input: AC 110V - 230V/ 50 - 60 Hz/125mA, Output : DC 5V / 1,5 A
Charge time:	approx. 4 hours
Display:	2.8" multicolour TFT (240 x 320 dots)
Dimensions (device):	160 x 72 x 39 mm (H x W x D)
Cable length:	coiled cable 0.5 m (max. 2.5 m)
Protection class:	IP 54
Impact resistance:	IK 05
Weight:	330g (with sensor)
Interface:	USB 2.0
Alarm functions:	monitoring of alarm limits and device functions (optical and acoustic)
Alarm limits:	adjustable between Upper limit: 20% - 103% Lower limit: 18% - 101%
Data storage:	max. 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
Class:	Ila
Conformity:	CE 0123

All specifications apply to standard conditions:  
Ambient pressure 1013 hPa, 25°C dry ambient air.

Specifications subject to change.

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