



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 FiO₂ 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 O₂ 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 FiO₂ 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 O₂ 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



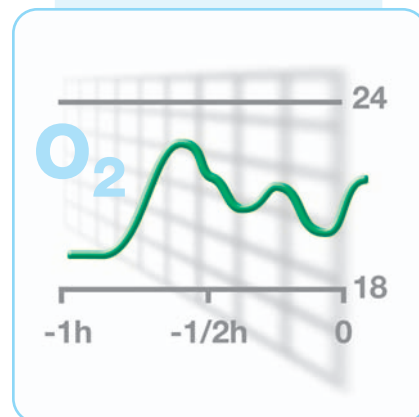
Intuitive Operation



Simple Calibration



Trend Graph



Highly Robust Design

Durable and hygienic

Shock Protected



Water/Dust-tight



Easy to Clean



My
O₂-



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[®] 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!!

EnviteC-Wismar GmbH
a Honeywell Company
 Alter Holzhafen 18, 23966 Wismar, Germany

Technical specifications

Measuring range:	0-100% oxygen
Display accuracy:	0.1% oxygen
Accuracy:	< 1% vol. O ₂ , if calibrated with 100% vol. O ₂
Offset:	< 1% vol. O ₂ in 100% N ₂
Response time:	90% of final value in < 12 sec.
Linearity error:	< 3% relative
Drift:	< 1% vol. 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 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 ₂ 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.

Distributor:
MESA Medizintechnik GmbH
 Schärflmühlweg 4
 D-83671 Benediktbeuern

Phone: +49-8857-6918-0
 Fax: +49-8857-6918-29
 email: info@mesamed.,de
 Homepage: www.mesamed.de