



For life supporting systems in intensive, emergency and ambulant care

Breath Gas Sensing and Monitoring



Your competent partner for breath gas sensing and monitoring



EnviteC has the optimal solution

Fast changes in the medical environmental now a day require flexible solutions. At the same time you have to assure high quality and safety standards.

Your success will be determined by the use of the right solutions to meet today's challenges.

At EnviteC we help you to succeed with products that meet your needs and those of the patients.

With EnviteC as your partner in care, we deliver proven solutions for your after sales business.



Top quality and highest standards

EnviteC OEM modules, sensors and monitors provide the highest level of clinical precision and reliability, and are very flexible adaptable.

Most of the products have automatically temperature and pressure compensation and can be used during air transport.



If by neonates or adults, if during anesthesia or emergency – EnviteC offers solutions exactly for your needs.

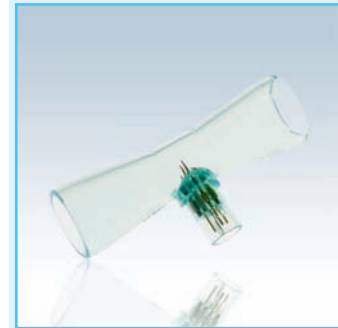


O₂ Flow

Versatility in



Oxygen Sensors



SpiroQuant A+

Oxygen Sensors

Electro-chemical medical oxygen sensors

This wide comprehensive line of various oxygen sensors is dedicated for the most relevant instruments in use today (anesthesia machines, incubators, ventilators and oxygen monitors). The sensors are designed for high performance under specific medical conditions and according to medical standards required in surgery, emergency medicine and neonatology.

- High precision
- Reliability
- Signal stability
- Fast response time
- Superior durability
- DIN EN ISO 21647
- FDA approval



Flow Sensors

SpiroQuant A+

Mass flow measurement sensor for ventilation and anesthesia monitoring

Constant temperature hot wire-anaemometry, compatible with Dräger Spirolog-sensor. Accurate and reliable solution for wide range of medical and industrial applications.

- Temperature compensated
- Low pressure drop
- Fast response time
- Long durability
- Quality assurance

Sensors

OEM m

Flow

CO₂

Flow

application



SpiroQuant H



SpiroQuant C **NEW!**

SpiroQuant H

Differential pressure flow converter as disposable part in respiratory devices

Passive flow-differential pressure converter for measuring of breathing gas flow, in connection with the appropriate measuring unit (differential pressure gauge)

- Low pressure drop
- Proven sensing technology
- Minute volume from 0...99 l/min

SpiroQuant C **NEW!**

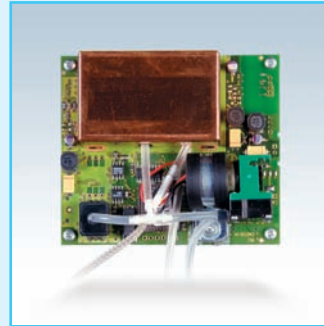
Mass flow measurement

Reusable flow sensor for ventilation and anaesthesia monitoring as well as pulmonary function testing.

- Accurate and fast response
- Manufacturer's calibrated
- Long durability
- Autoclavable and easy cleaning
- Bidirectional measurement
- Developed and produced according to EN ISO 9001:2000 and EN ISO 13485:2003



Special technology to



CAP 100



SpiroQuant MH

CO₂ module for CAP 100

Monitoring of the expiratory CO₂ concentration of breath and respiration rate

CAP 100 is a module for measuring and monitoring the end tidal CO₂ concentration or the CO₂ partial pressure of the respiratory gas and respiration rate. It records the capnogram in the sidestream mode.

- Bi-directional serial port
- Transfer of capnogram every 40 ms
- Transfer of et CO₂ and respiration rate every second
- Automatic temperature and pressure compensation
- Adjustable flow, Integrated CPU
- Nitrous oxide gas compensation
- Boot flash for software updates

SpiroQuant MH

For anaesthesia machines with flow-pressure transducer

The SpiroQuant-MH module works with flow-pressure transducer sensors and is compatible with SpiroQuant H flow sensor. The sensor signal is conditioned with a precision differential pressure sensor and a 16 bit A/D converter. The module is equipped with two 3/2-way valves for determining the 'zero level' of the pressure sensor.

- Differential pressure measurement
- Flow direction detection
- 16 bit A/D converter
- RS-232 communication
- In circuit programming capability
- Auto-zero function
- No purge pressure



Modules

FLOW

O₂

save your added value



SpiroQuant MA



EROS

SpiroQuant MA

For anaesthesia machines with anaemometer sensor SpiroQuant A

The SpiroQuant-MA module drives the hot-wire flow sensor SpiroQuant A and generates a signal proportional to the actual flow dependent power consumption of the heated wire. Using a calibration curve, this value can be converted into the actual flow value.

- Constant temperature mode
- RS-232 communication
- 10 bit A/D converter
- In circuit programming
- Auto-zero function
- Wire-cleaning (Flow sensor)



EROS

Sensor module for fast oxygen measurement

Designed for breath by breath analysis of inspired and expired oxygen concentration in mainstream or side-stream applications. EROS - Enhanced Response Oxygen Sensing - consist of an electrochemical oxygen sensor of type OOM109-EM or OOM109-EMLF2 and a digital logic board attached to it.

- Digital logic on board
- Reliable numeric results and real time wave form
- Using electrochemical sensor technology for price effective development
- Maintenance friendly
- Low power consumption

Monitors

O₂

Proven quality



OxiQuant MC



OxiQuant S

OxiQuant MC

Functional monitoring in respiratory gas conditioning

Oxygen monitors for the determination and monitoring of inspiratory oxygen concentrations in respiratory gas mixtures. The OxiQuant MC can be used for the functional monitoring of respiratory gas conditioning technology with anaesthesia machines, respirators and incubators

- For diverse applications
- Simple operation and exceptional precision
- Fast calibration and excellent long-term stability
- Integrated alarm monitoring
- Meets medical standard EN ISO 21647



OxiQuant S

Rapid determination of oxygen concentrations

The OxiQuant S is ideal for the rapid determination of oxygen concentrations in a wide variety of applications, ranging from respirators, both for home and OP use, and central gas supply systems to compression chambers (hyperbaric oxygen therapy) and diving equipment.

- Reliable and inexpensive
- Simple operation
- Exceptional precision
- Easy calibration

O₂

CO₂

for the practice



OxiQuant B



CapnoQuant 9040

OxiQuant B

For determination of oxygen concentrations

This compact fast working microprocessor controlled analyzer is designed for measuring oxygen concentration in gas mixtures. Its durable design makes it a reliable companion for a medical technician in his daily work.

- Compact dimensions
- High reliability
- Stable performance
- Easy and fast autocalibration at 21 or 100 % oxygen

CapnoQuant 9040

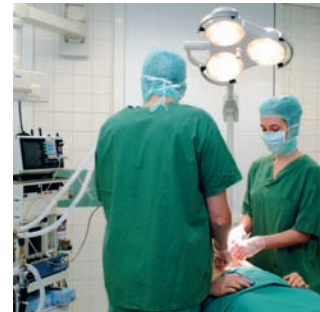
Portable, high-precision capnometer for CO₂ measurement

Portable, battery-operated capnometer for measuring the CO₂ content during respiration. The measurement precision of the device meets the quality standards of stationary clinical devices. Alarm limits are freely programmable over the entire measuring range, and a visual signal is provided for cases of apnea. Up to three hours of continuous patient monitoring through internal power supply. Includes extensive data-analysis software.

- For intubated and non-intubated patients
- Warm-up time < 12 seconds
- Well suited for use in emergency rescue helicopters and aircraft through ambient pressure compensation



The highest level of precision for your application



Wide range of application

The Envitec product range delivers top quality modules, sensors and monitors that provide you the following key features:

- **Highest precision**
- **Easily integrated**
- **Compact design**
- **Proven performance**
- **High durability**
- **Optimal service**

Greater reliability through excellent service

As the developer and manufacturer of an extensive line of medical devices, Envitec is able to offer optimal services for every product.

Envitec - top quality, first-hand service.





The EnviteC program

High-quality sensors, monitors, OEM modules.

EnviteC specialises in the research, development and production of sensors and high-quality monitoring equipment. Its product range includes sensors and various devices for use in healthcare and the manufacturing industry, as well as in the field of safety technology. One of the best-known EnviteC products are for example breath analyzer used for traffic checks and monitors for medical applications.

The latest EnviteC product lines of SpO₂ sensors and monitoring devices established themselves in the market in a very short time, and have become major contributors to the success of the company.

Contact us!

Do you have questions? You need equipment for specific requirements and wish to discuss it with us? We are looking forward to hearing from you!

Monitors

CO₂ – O₂ – SpO₂ – NIBP – Ethanol



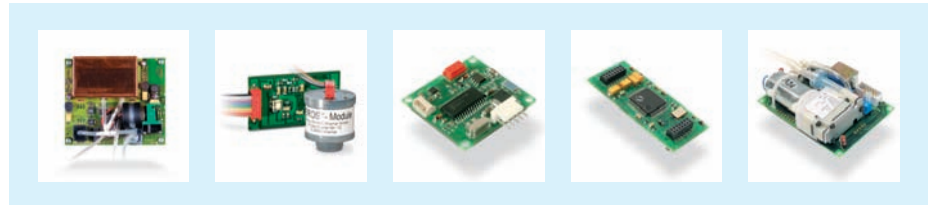
Sensors

O₂ – SpO₂ – Flow – Temp – FMT



OEM Module

CO₂ – O₂ – Flow – SpO₂ – NIBP



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