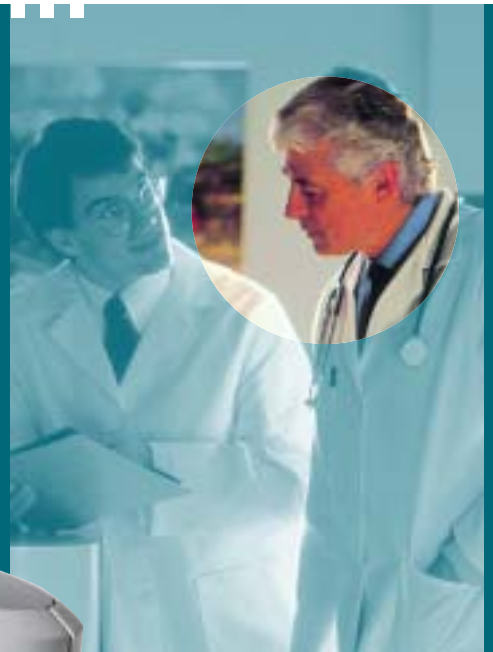


# sat 805

Pulse Oximetry System  
for Clinic, Sleep Lab  
and HomeCare

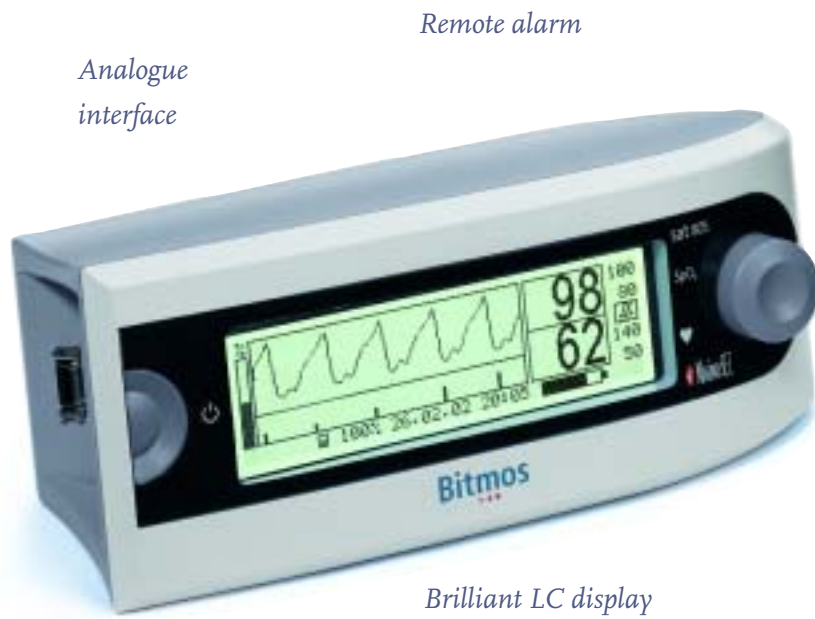
*Innovative technology  
simple operation*



**Bitmos**  
MEDIZINTECHNIK

# New standard in operation and technology

The development of the Bitmos sat 805 – made in Germany – sets new limits in pulse oximetry. The modern design reflects its intrinsic values: top-level quality.



Remote alarm

Analogue interface

MultiMediaCard

Signal IQ™

FastSat™ algorithm

Simple operation

Infrared interface

Brilliant LC display

MasimoSET.

## What is MasimoSET®?

MasimoSET® represents a fundamentally distinct method of measuring and processing of arterial oxygen saturation and pulse rate.

MasimoSET® combines sophisticated signal algorithms with an innovative sensor design.

Bitmos sat 805 combines the advantages of this technology with user-orientated features.



Bitmos sat 805 eliminates false alarms and monitors arterial oxygen saturation accurately during motion and low perfusion.

## sat 805 in the hospital

Reliable technology and alarm management are key factors for correct and efficient clinical interventions.

## sat 805 in the sleep lab

Various interfaces enable the sat 805 to be integrated into all polysomnographical work stations.

## sat 805 in the home care setting

Simple operation of the sat 805 allows for safe use in the home by non-professionals.



# Exceptional ease of use for clinical, sleep lab and home care applications

## Simple operation

The multifunctional rotary encoder serves as the main operating and alarming element. The proven menu structure is widely accepted and assures minimum training. The LC display is not only large: the high-contrast backlight enables a perfect visibility under all lighting conditions.



## Latest Li-Ion battery technology

assures a mains-independent operating time of 15 hours minimum. Merged with its compact design, the sat 805 has unique advantages during mobile use.

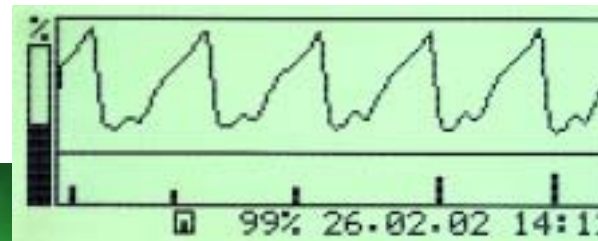
*Left: rotary encoder with combined alarming function.  
Middle: Data export via MultiMediaCard.  
Right: Handy dimensions, multiple interfaces: remote alarm, analog, infrared.*

**Data storage and export** is carried out by means of a MultiMediaCard. All monitoring data is transferred quickly, easily and safely to the PC reporting software in minimum time.



## Innovative serviceability

System updates may be carried out on-site. Modular component setup allows quick and easy repair within minutes.



*The Signal IQ™ bar (lower trace) is an exact and additional indicator for signal quality.*

*The sat 805 is specifically suited for home use and for newborns by its exceptional operational concept and sophisticated Masimo pulse oximetry technology.*



# sat 805

## Pulse Oximetry System



### Documentation

PC reporting software *TrendLibrary™* for easy and quick analysis and complete monitoring documentation.



Easy operation and clear illustration of monitoring periods, alarm events, data analysis including a printed one-page-report.

### Technical specifications

Dimensions (HxWxD)	92 x 240 x 104 mm
Weight	900 g incl. battery
Int. power supply	Li-Ion-Akku, 7.2 V / 3.2 Ah
Battery capacity	15 hrs guaranteed, 18 hrs typ.
Interfaces	Analog, infrared, nurse call
Ext. power supply	9.2 V / 1290 mA
SpO <sub>2</sub> Display range	1 - 100 %
Calibration range	70 - 100 %
Resolution	1 %
Pulse Display range	25 - 240 bpm
Calibration range	25 - 240 bpm
Resolution	1 bpm
Perfusion display range	0 - 20.0 %
Alarms	SpO <sub>2</sub> , pulse, battery, sensor, status
Memory	User profiles
	Event alarm list
	Trace and trend data

### Package contents

<b>sat 805 Pulse oximetry system</b>	<b>39-1001</b>
<i>including</i>	
Pulse oximeter	39-1000
Instructions for use	39-1201
Power supply	28-5004

### Accessories

Masimo sensors, mounting bracket, carrying handle, power supplies (Euro, UK, US), carrying case, IR-RS 232 converter, TrendLibrary™ PC software

