AEROcheck®

Pulse oximeter systems

Made in Germany

Pulse Oximeter

Innovative technology combined with easy handling

HUM *Systems for Life*®

AEROcheck®

Pulse Oximeter | Technology & models

AEROcheck® - **Pulse oximeter with approved Masimo SET® technology**

Masimo SET® - Signal Extraction Technology

Latest signal processing technology combined with innovative sensor design. More than 100 independent clinical studies, conducted by objective professionals, demonstrate the superiority of Masimo pulse oximetry. It provides **accurate measurements** where other conventional pulse oximetry systems reach their limits, even **under strong motion, low perfusion, or intensive ambient light.**

FastSAT® - Fast Saturation algorithm

Fast collection and display of sudden SpO_2 data changes.

Signal IQ®

With Signal IQ® - Signal Identification and Qualitiy indicator display for accurate assessment of signal quality during motion and low perfusion.

The models

AEROcheck® - Pulse oximeter sat801+ coloured

Handy, lightweight pulse oximeter with approved Masimo SET® technology and brilliant multicolour TFT display. Apart from the usual display parameters, the user simultaneously receives a Signal IQ and a perfusion index.

Made in Germany

Optional:
Bracket with integrated mounting clamp

22 h Li-ion battery

Features

- Brilliant multicolour TFT display
- SpO_2 & pulse frequency display
- Acoustic and optical alarms
- Signal IQ® FastSat® algorithm
- Plethysmogram
- Memory capacity
- USB interface
- Integrated protective collar
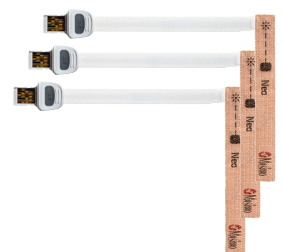
Versatile areas of application

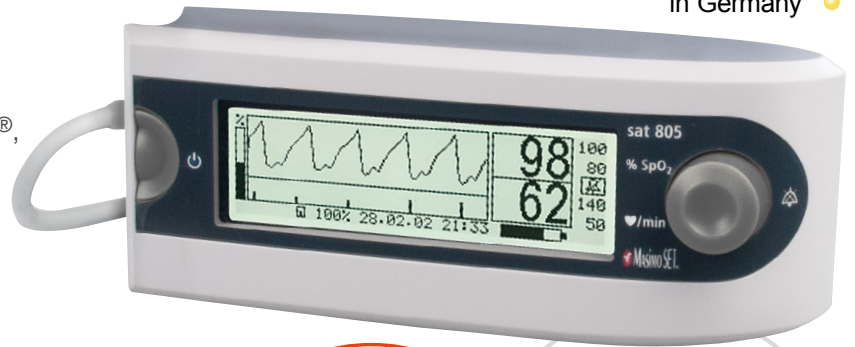- Hospital, transport, emergency, homecare

Delivery programme

Pulse oximeter | Carrying bag | Power supply | PC04-patient cable | 3 x Masimo RD SET sensors Neo

AEROcheck® - Pulse Oximeter sat805

Exemplary ease-of-use and comprehensive features like Masimo SET® technology, large display, multi-functional rotatable button, perfusion index, plethysmogram, Signal IQ®, large data memory and versatile interfaces (remote alarm, nurse call, USB) for easy integration into any polysomnography workplace.
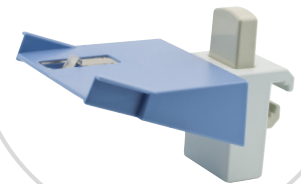
Made in Germany

sat 805

Features

- Brilliant liquid-crystal display (LCD)
- SpO$_2$- & pulse frequency display
- Signal IQ® FastSat® algorithm
- MMC memory card
- Remote alarm nurse call

- Multi-functional rotatable button
- Acoustic and optical alarms
- Plethysmogram
- Analogue and infrared interface

22 h Li-Ion-battery

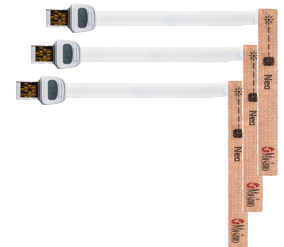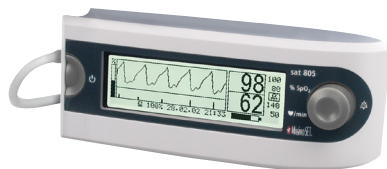Optional: Bracket with integrated mounting clamp

Versatile areas of application

- Hospital, sleep laboratory, homecare

Delivery programme

Pulse oximeter | Power supply | PC04-patient cable | 3 x Masimo RD SET sensors Neo

Technical Data

Specifications		Models	
		HP002-801+ (sat 801+)*	HP002-805 (sat 805)
Dimensions (HxWxD)		128 x 85 x 46 mm	92 x 240 x 104 mm
Weight		230 g incl. battery	900 g incl. battery
Power supply		100-240 V ~50 Hz / 5 V DC 1 A	100-240 V ~50/60 Hz / 9,3 V DC 1,29 A
Internal power supply Li-Ion Battery		Li-Ion-battery 2 x 3.6 V / 2 x 2250 mAh	Li-Ion-battery 7,2 V / 3,6 Ah
Battery operating time		22 hours guaranteed	20 hours guaranteed, 24 hours typical
SpO$_2$	Display	1% - 100%	
	Calibration	without motion 70 -100% | +/-2 % Children, adults; +/-3 % Neonates with motion 70 - 100% | +/-3 % Adults, children, Neonates	
	Resolution	1 %	
Pulse	Display	25 bpm - 240 bpm	
	Calibration	without motion 25 - 240 bpm +/-3 % | in motion 25 - 240 bpm +/-5 %	
	Resolution	1 bpm	
Perfusion display area		0,02 - 20 %	
Alarms		SpO$_2$, pulse, low battery, sensor failure, system failure	
Memory		4 MB (approx. 160 hours)*, optional microSD-card	2 MB (approx. 160 hours), optional SD-card

Also available as item no. HP002-801+S with 160.000 hours memory.

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AEROcheck® - Equipment

Equipment

AEROcheck® - satView

Cost-effective* SatView documentation and analysis software, for easy and automatic evaluation of data records for AEROcheck® - pulse oximeter sat 801+ and sat 805.

Chargeable Version 1.2.0 with ODE (oxygen desaturation events) and ODI (oxygen desaturation index).

* Monthly license fee. Quarterly settlements. Any number of devices readable. Software version 1.1.9, without ODE and ODI display, available for free.

Advantages

- Fast data analysis
- Database functionality
- Intuitive user interface
- Easy report creation

Technical Specifications

Compatibility:	Server 2008, Windows XP, Vista, 7, 8, 10, Mac OS X (CrossOver)
Display of time elapsed:	SpO_2, pulse, Signal IQ
Data analysis:	statistics, desaturations
Depictable events:	alarms, alarm oppressions, desaturations, individual markers

Masimo sensors

Single use and reusable Masimo sensors for neonates, infants, children and adults, in versions RD-SET and LNCS (Low Noise Cabled Sensors). Reliable and precise even under thoughest conditions like motion and bad circulation.

Advantages

- Durable
- Excellent shielding
- Low background noise
- Standardized use (LNCS): Also for connection to devices with conventional technology.

The models

Masimo RD-SET | LNCS

Reusable Sensors

Single Use Sensors

Further sensors and accessories (Masimo patient cable, carrying bags, brackets with integrated mounting clamp and power supply) can be found in our general catalogue.