

SOMNOcheck 2

Superior sleep diagnostics that's mobile, safe and simple

Easy to operate and convenient to use, SOMNOcheck 2 is a mobile polygraph combining sleep apnea and PLMS screening functions in a single device. Interchangeable applications graphics make sure that the electrodes are correctly connected to the device.



SOMNOcheck 2
Basic device WM 95100
Basic wireless device WM 95150



Back of
SOMNOcheck 2



Compact FlashCard



SOMNOcheck 2 with ECG and leg-EMG

All recording technology is integrated in the housing, even two thorax effort sensors. There are no external connections. Four electrophysiological channels can be configured as ECG, EMG, EEG or EOG.

Additional functions

- Polygraph also for internists to invoice as per BUB rates, subject to regional regulations
- Increased EBM points (1585 instead of 800)
- Additional invoicing for ECG and EMG
- Patient-oriented application assistance for outpatient use
- Wireless data transmission in online use
- Intelligent battery pack prevents mismeasurement

Integrated recording functions

- Recording parameters: respiratory flow, snoring, heart rate, oxygen saturation, body position, pressure (CPAP, BIPAP, Smart PAP)
- Four electrophysiological channels available for ECG and leg-EMG, for example, plus any other configuration

- Integrated effort sensor (piezo-crystal technology)
- High quality of ventilation therapy monitoring due to differential pressure measurement

Clear data preparation

- Online representation of recording on a PC
- Can be used with SOMNOlab and SOMNOmanager software

SOMNOmanager lite:

Patient administration and archiving functions

SOMNOlab software:

Only one software for polygraph with SOMNOcheck 2 and polysomnograph with SOMNOlab



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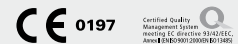
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Accessories

- 1 **Thorax effort sensor integrated in housing**
- 2 **Abdomen sensor loop – WM 95155**
- 3 **Bluetooth-USB adapter – WM 95084**
for SOMNOcheck 2 basic wireless device
- 4 **SOMNOmanager – WM 68560**
PC software for settings and analysis

Our complete range of therapy solutions, accessories and mask systems is at: www.weinmann.de

Technical Data SOMNOcheck 2



Product class as per 93/42/EEC:	IIa
Dimensions (WxHxD):	80 x 150 x 34 mm
Weight:	about 300 g (device without sensors)
Power supply	<ul style="list-style-type: none"> ■ Average power consumption: about 340 mW ■ Operating life of battery pack: wireless online = about 10 hrs portable = about 20 hrs
Signals / messages	<ul style="list-style-type: none"> ■ LEDs: power pack status, memory board status, execution and results of sensor and impedance tests, communication with PC
Position sensor	<ul style="list-style-type: none"> ■ Position sensor: sensor integrated in device ■ Range: right side, left side, abdomen, back, standing ■ Position precision: about 45° ± 15°
Pulse oxymeter (-Clipsensor)	<ul style="list-style-type: none"> ■ SpO₂ measurement range: 50 – 100 % ■ SpO₂ precision: 70 % < SpO₂ < 100 % better than 2 % precision SpO₂ < 70 % not validated ■ Pulse rate measurement range: 30 to 250 bpm ■ Pulse precision: ±1 bpm to 2 % of displayed value ■ Signal quality: Quality greater than 90 % is good. Below 90 %, the SpO₂ values and pulse rate may be unreliable.

CPAP / BiPAP / SmartPAP pressure	<ul style="list-style-type: none"> ■ Measurement range: 0 – 40 hPa ■ Precision: ±1 hPa
Respiratory flow/snore sensor	<ul style="list-style-type: none"> ■ Method flow: three thermistors as total signal, no measurement function at ambient temperatures between 33 °C and 38 °C ■ Method snore: integrated microphone
Respiratory flow/snore nasal cannula	<ul style="list-style-type: none"> ■ Respiratory flow/snore nasal cannula: inspiratory/expiratory pressure fluctuation ■ sensor: pressure sensor ■ Method flow: flow approximation through square-root calculation ■ Method snore: logarithmic mean of acoustic pressure signal (microphone) or pressure fluctuation (pressure sensor)
Respiratory flow/mouth sensor:	<ul style="list-style-type: none"> ■ Respiratory flow/mouth sensor: one thermistor, no measurement function at ambient temperatures between 33 °C and 38 °C ■ Therapy monitoring: differential pressure measurement with pneumo-T-adapter
Effort sensors	<ul style="list-style-type: none"> ■ Thorax sensor: sensor integrated in housing piezo-electrical measurement ■ Abdominal effort: piezo-electrical measurement

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