



# SleepDoc Porti 6 – Small, Compact And Powerful

## Sleep Diagnosis System For Ambulatory And Clinical Use

The consistent development of the well-proven SleepDoc Porti 4: The SleepDoc Porti 6 is particularly suitable for outpatient use in the identification of sleep-related breathing disorders and the additional CPAP checks. Since signal recording is by means of simple, extremely long-lived and inexpensive sensors, SleepDoc Porti diagnosis systems are very simple to use and unprecedentedly economical for doctor and clinic.



<p><b>Economical</b></p> <p>Low running costs (1 EUR per measurement). Inexpensive sensors. Marginal time and effort for briefing and diagnosis. Lifelong guarantee because of regular maintenance.</p>	<p><b>Functional</b></p> <p>High resolution signals. Up to 12 channels. Includes Thorax and Abdomen signal. Includes CPAP and/or BiPAP checks. Expandable by modules.</p>	<p><b>Easy to use</b></p> <p>Simple operation for patients and nurses. Only 3 sensors (flow prong, finger sensor and abdomen belt) to fasten. All other sensors integrated in the device.</p>
<p><b>All this small-sized, handy and compact with SleepDoc Porti 6!</b></p>		

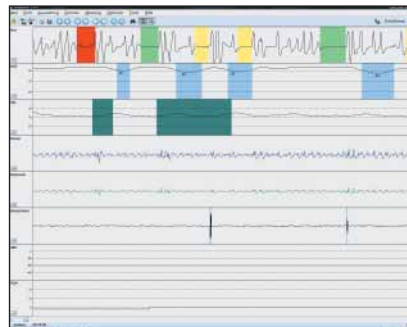
<p><b>Technical Data</b></p> <p>Dimensions: 30.5 mm x 62.7 mm x 140 mm (M x W x L) without bag</p> <p>Weight: 140 gr including storage battery, without bag</p> <p>Casing: Metalised plastic (polystyrol, UL 94 HB)</p> <p>Temperature range: +15°C...+45°C</p> <p>Humidity: 50% – 80%</p> <p>Storage medium: MultiMedia Card</p> <p>Storage capacity: approx. 360 hours (expandable)</p> <p>Fault indicator: 2 LEDs on front of instrument, additional online mode</p> <p>Power supply: Rechargeable NiMH storage battery 3.6 V/950mAh with built-in semiconductor fuse</p> <p>Charger: Plug-in charger with quick-charge function using PVD and automatic switchover to maintenance charge and programmable discharge function to minimise memory effect</p> <p>Output: Serial interface with D-sub 9-pin cable for data transfer</p> <p>Power consumption: approx. 50 mA</p> <p>Online operation: For online operation with a patient, a fibre-optic link to the PC is essential (available as an option)</p>	<p><b>Parameters Recorded</b></p> <p>Respiratory activity: Differential pressure measurement via flow prong (with adaptor also during CPAP therapy)</p> <p>Thoracic effort: Differential pressure measurement on thorax by means of rubber cuffs built into chest strap</p> <p>Abdominal effort: Differential pressure measurement on the abdomen by means of rubber cuffs built into the abdominal strap</p> <p>Breathing sounds: Phonometric transducer via flow prong</p> <p>SpO2/Pulse: Built-in pulsoximeter Measurement range SpO2: 80% – 99% ± 2% SpO2 60% – 79% ± 4% SpO2 Measurement range pulse: 50 1/min – 150 1/min ± 2% Finger sensor: rubber-coated thimble finger sensor</p> <p>Position: Magnetic sensors for position recording</p> <p>CPAP: Differential pressure measurement directly on CPAP mask. Measurement range: 0 cm H<sub>2</sub>O – 45 cm H<sub>2</sub>O ± 5%</p> <p>Leg movement: Piezo pressure sensor (option)</p> <p>ECG: One channel lead via adhesive electrodes (option) Measurement range: 30 1/min - 200 1/min ± 2%</p> <p>Beat to beat HF: Central heart frequency (ECG required)</p> <p>PTT Pulse Transit Time: Measurement range: 100 ms - 350 ms (ECG required)</p> <p>RRsys Systolic Blood Pressure: Measurement range: 60 mmHg – 315 mmHg ± 4% (PTT required)</p>
<p><b>System Requirements</b></p> <p>PC with Pentium processor or higher · Microsoft Windows 98 SE/ME/NT/2000/XP/Vista · Hard disk with at least 100 MB free storage · CD-drive · Mouse · Free serial port or USB port · Printer</p>	

# Sleep Diagnostic with Porti6 – economical and simple!

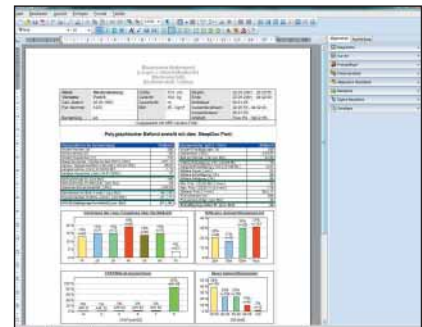
**Software  
inclusive!**

## Flexible Software

- Full automatic evaluation, diagnosis and report generation
- Manual editing possibility
- Flexible parameter control by the user
- Quick, comfortable generation of doctors letter with own text modules
- Integration into network
- Interface for data transfer by Internet



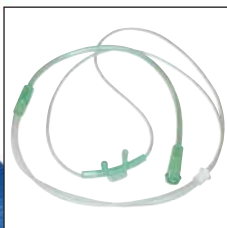
Clear presentation of measuring curves and results on the screen.



Full automatic report generation.

## 12 Channels - Great Performance!

- **Flow**  
(by means of flow prongs and pressure sensor) even during CPAP therapy
- **Oxygen saturation SpO2**  
HP finger sensor
- **Pulse**  
HP finger sensor
- **Thorax**  
sensor already integrated in chest strap
- **Abdomen**  
sensor in abdomen strap
- **Snoring**  
microphone in the basic unit, sound recognition via flow prongs
- **CPAP / BIPAP**  
integrated pressure sensor to obtain absolute pressure, during therapy for direct connection to mask or pressure hose
- **Position**  
magnetic sensor in the instrument
- **Restless Leg**  
leg movement sensor (option)
- **ECG**  
resolution up to 200 Hz (option)
- **PTT**  
Pulse Transit Time, recording by means of finger sensor and ECG cable (option)
- **RRsys**  
Systolic blood pressure, continuous recording without additional sensor (PTT required)



Inexpensive flow sensor for recording respiration and snoring



Sturdy and clearly arranged connectors



The reusable HP SpO2 sensor finger cuff is sturdily made, extremely long living and comfortable for the patient.