

Product information SleepDoc Porti 8 - July 2008

Standard device (10 channels):

- **Breathing** : Differential pressure measurement via flow prong (with adaptor also during CPAP therapy)
- **Thoracal effort** : Differential pressure measurement on thorax by means of rubber cuffs built into chest strap
- **Abdominal effort** : Differential pressure measurement on the abdomen by means of rubber cuffs built into the abdominal strap
- **Saturation SpO₂** : Built-in pulsoximeter with special rubber-coated thimble finger sensor for long-time measurements.
- **Pulse** : With fingersensor
- **Pulsewave** : With fingersensor
- **Snoring** : Phonometric transducer via flow prong No external microphone required.
- **Position** : Magnetic sensors for position recording, integrated in the device.
- **Light** : Integrated light sensor for measurement of lightness
- **CPAP/Bilevel-pressure** : Differential pressure measurement directly on CPAP mask
Measurement range: 0 cm H₂O - 45 cm H₂O ± 5%

Options

- **6 x ECG** : 6-Channel ECG amplifier with high resolution
- **PTT** : Recording of Puls Transit Time PTT, Measurement via fingersensor and ECG cable
- **RRsys** : Continuous recording of systolic blood pressure via fingersensor and ECG. No additional sensor required.
- **NeuroPort** : Special electrode for frontal lead with full automatic sleeping stage classification
- **6 x EEG** : Six EEG-Channels, connection with DIN-plugs
- **2 x EOG** : Two EOG-Channels, connection with DIN-plugs
- **3 x EMG** : One EMG-Channel for Chin, Two Leg sensors (EMG) for measurements of muscular actions, separate recording for left and right leg
- **8 x Extern** : Eight external Channels (voltage); Input via external box with galvanic separation

Technical Data

- **Dimensions** : 35 mm x 75 mm x 168 mm (H x B x L, without bag)
- **Weight** : 260 g incl. Akku, without bag
- **Casing** : Metalised plastic (polystyrol, UL 94 HB)
- **Temp. Range** : + 15°C...+ 45°C
- **Humidity** : 40 % - 80 %
- **Storage medium** : MMC RS
- **Storage capacity** : min. 12 hours, several days with appropriate card size
- **Fault indicator** : 2 LEDs on front of instrument, additional online test
- **Power supply** : Rechargeable Lilon storage battery and / or regulated power supply
- **Output** : USB interface with cable for data transmission
- **Video / Audiosignal** : Axis-Camera with integrated microphone and infra red spot, data transmission via Ethernet, camera control (e.g. zoom, turn, resolution...) via user interface in software
Alternative: USB-Webcam

