

# SOMNOtouch™ RESP

Cardiorespiratory Screening in the size of a credit card



- Smallest screener on the market
- High resolution touch screen
- 10 channels integrated in main unit, allows easy application and maximum comfort for the patient
- Wireless data transfer in realtime
- Continuous Systolic/Diastolic blood pressure (Option)

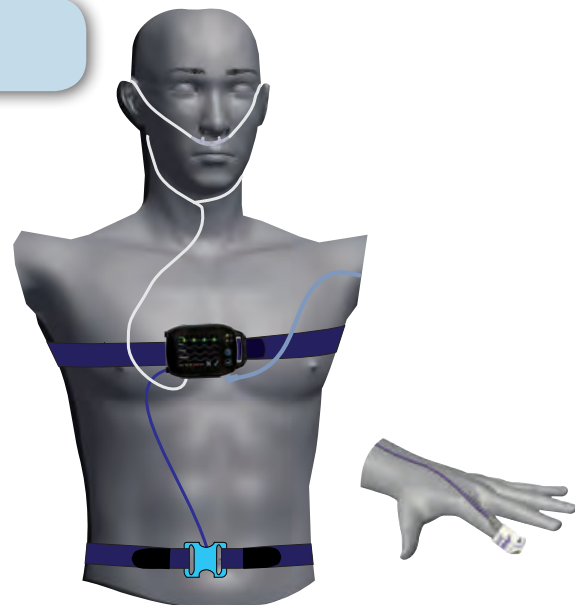
## A new generation of polygraphy

### Integrated sensors:

- Flow & Snore (nasal cannula)
- Effort - Thorax & Abdomen
- SpO<sub>2</sub>, pulse rate
- Body position
- Movement (for sleep/wake estimation)
- CPAP/BiPAP pressure

### External sensors:

- AUX-connection for extended recordings e.g. PLM, ECG, EEG, EOG, EMG



## Online signal check on tablet PC or mobile phone

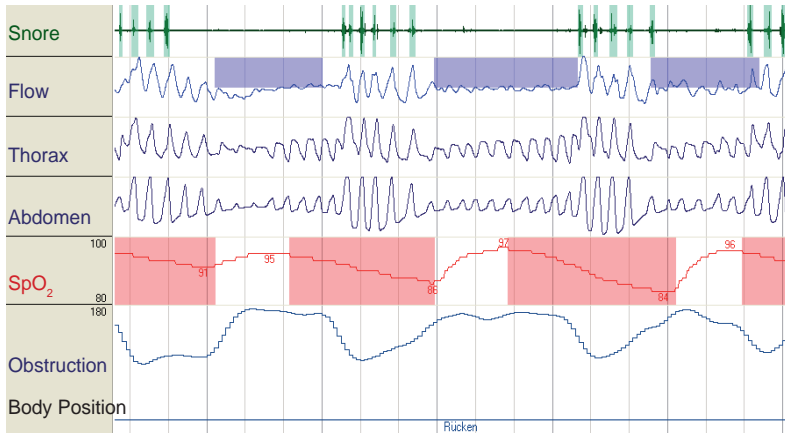
### MobileCheck

Sends a screenshot of the recording for a signal check to your mobile phone - no matter where you are.

Transfer times and periods can be programmed individually.



## Data analysis and reports

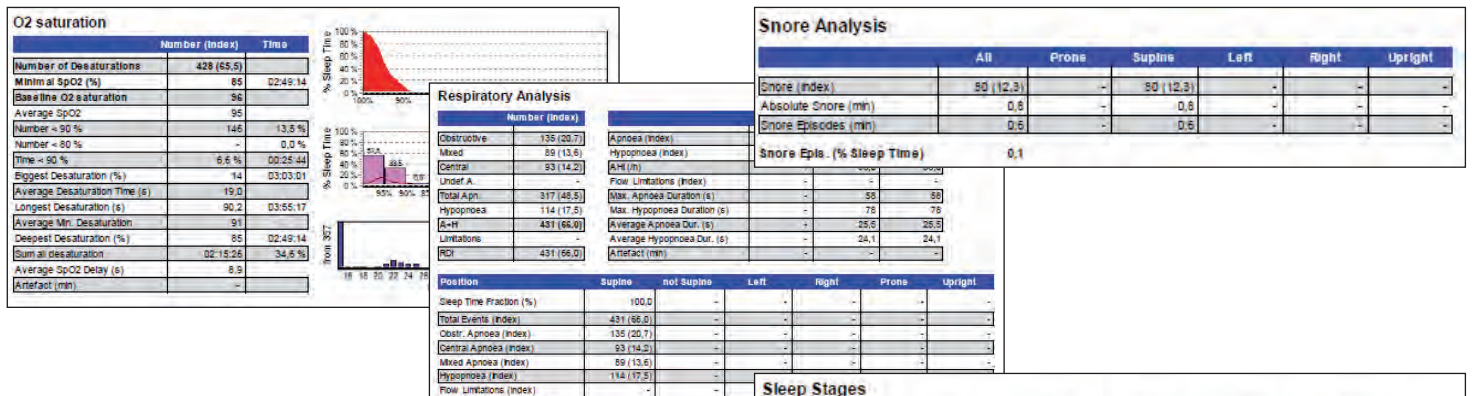


- Automatic event detection and immediate report printout
- Additional respiratory analysis by (effort-based) phase angle analysis\* - autonomous from flow
- Calculation of AHI & RDI
- Manual editing

- Optional:**
- Simplified, ambulatory sleep scoring with combi electrode (1 EEG, 2 EOG, ambient light)
  - Sleep scoring according to R&K (2 EEG, 2 EOG, 1 EMG)
  - PLM detection
  - Blood pressure determination through ECG (via Pulse Transit Time, PTT)\*\*

- Reports**
- Automatic detection of artifacts
  - Standard or user defined reports

### SpO<sub>2</sub> report, respiratory report, snore report, sleep/wake report



#### Datasheet SOMNOtouch™ RESP

##### 26 channels

- 10 internal (Body position, movement, SpO<sub>2</sub>, pulse rate, plethysmography, internal effort, pressure/flow sensor, CPAP-pressure sensor, snore, patient marker)
- 2 AUX - up to 8 channels per external connector (e.g.: 2 PLM, ECG, EEG, Combi electrode (1EEG, 2 EOG, ambient light), R&K sleep scoring (2 EEG, 2 EOG, 1 EMG), effort abdomen, RIP optional)

##### Data collection / Data transfer

- Data transfer via Bluetooth, wireless data transfer in realtime
- 12 bit signal resolution
- Individually adjustable recording rate from 4/s to 256/s

##### Data recording

- Internal data storage, 512 MB capacity
- Charging and data transfer via docking station

##### Size and weight

- 84 x 55 x 18 mm, 64g (incl. battery)

##### Display

- high resolution, color touch display, resolution 320 x 240 pixels

##### Power supply

- Li-Ion-battery (rechargeable), up to 12 hrs. recording duration

##### Analysis software DOMINO light

\* Method and device for monitoring the respiration.  
Patent Number: DE 10 2007 035 549

\*\* Patent Numbers: DE 102005014048.3-35, EP 20060001181.4-1526, US 11/364 174 US 2006/0217616 A1, 7374542

