



# Sleep Apnea Screening as easy as ABC

## SOMNOtouch™ RESP



- Extensive review possibilities
- Pediatric montages & analysis parameters available
- No loose small parts that could be swallowed, no movable mechanical parts
- Smallest and lightest screener available
- High level of acceptance with little patients
- Easy application and comfortable to wear
- High resolution touchscreen
- Mobile signal check via e-mail

## The new Generation of ambulatory Polygraphy

### Integrated channels:

- Flow, snore (nasal cannula)
- Effort thorax & abdomen
- SpO<sub>2</sub>, pulse rate, plethysmogram
- Body position
- Movement (for sleep/wake estimation)
- CPAP-/BiPAP-pressure

### Optional sensors:

Two additional multichannel inputs for various extended recordings, e.g.

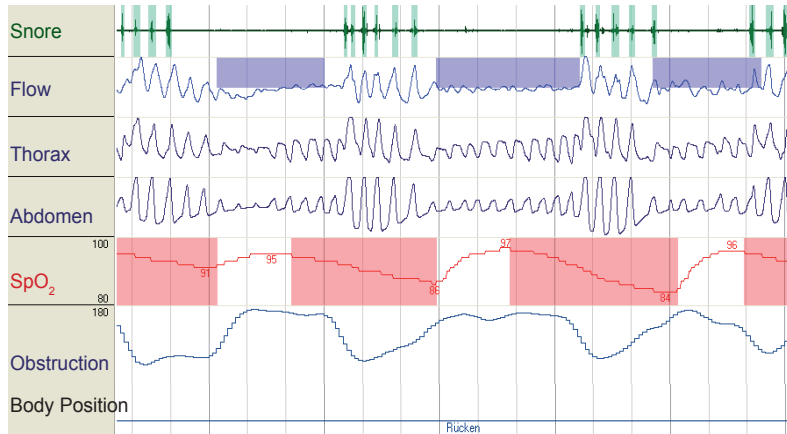
- ECG
- EEG
- EOG
- EMG (detection of periodic limb movements, PLM)



# SOMNOtouch™ RESP

...because astronauts and princesses need a good night's sleep

## Data analysis and report

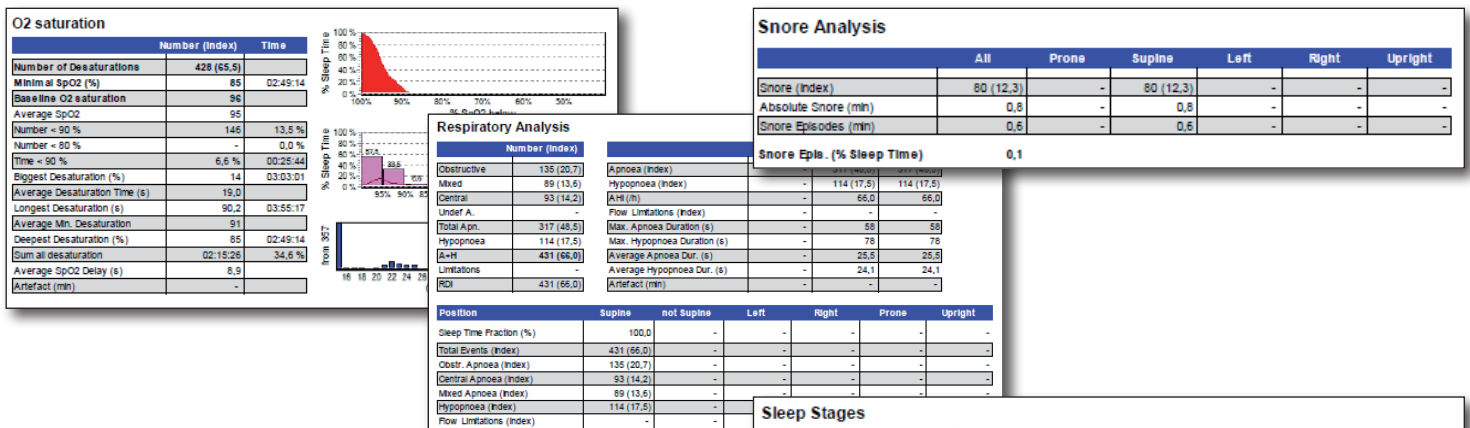


- Analysis parameter individually adjustable to pediatric measurements
- Pediatric pre-analysis
- Automatic detection of events and direct print-out of the report
- Additional respiratory analysis by (effort-based) phase angle analysis\* - autonomous from flow
- Calculation of AHI & RDI
- Manual editing

### 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.: abdomen effort, inductive effort belts (RIP), 2 PLM, ECG, EEG, combi electrode (1EEG, 2 EOG, ambient light), AASM sleep scoring (4 EEG, 2 EOG, 1 EMG))

#### Pediatric sensors

soft silicone finger clip for pulse oximeter, SoftWrap finger clip for pulse oximeter, nasal cannula, inductive effort belts (RIP), 1 channel ECG sensor

#### 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 512/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, 64 g (incl. battery)

#### Display

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

#### Power supply

Li-Ion-battery (rechargeable), up to 21 hrs. recording duration

#### Analysis software DOMINO light

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