

# SOMNOtouch™ RESP

## Home Sleep Testing made easy

### Features and benefits



- Light and compact
- 11 recording channels
- Easy application by the patient at home
- Intelligent application control:  
No montage needed
- High resolution touch screen for easy handling and signal check
- Manual and pre-programmable recording times
- Cost efficient
- Powerful software algorithms

### The new generation of sleep testing

#### Available channels:

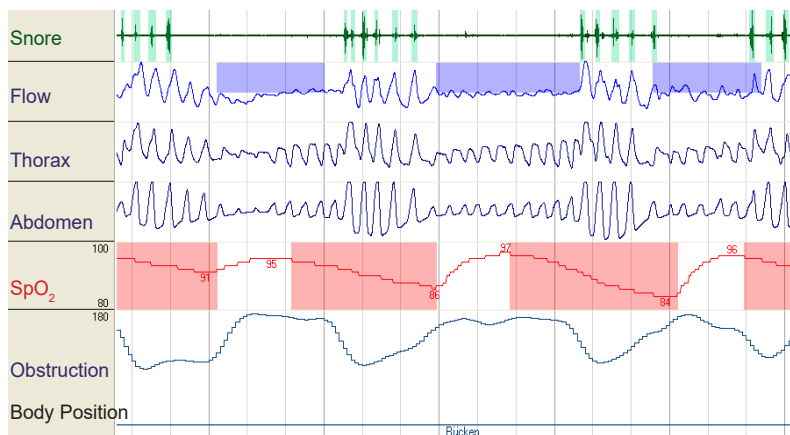
- Flow & Snore (nasal cannula)
- Thoracic & abdominal breathing Effort
- SpO<sub>2</sub>, pulse rate, finger plethysmogram
- Body position
- Actigraphy

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

FDA approved for adults only



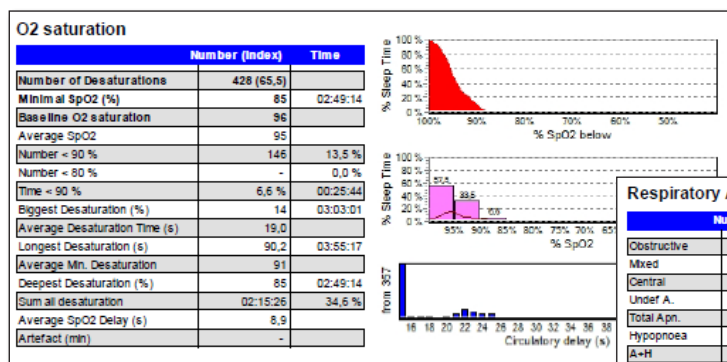
## Data analysis and reports



- Computer-supported calculation of AHI & RDI
- Manual editing
- Computer-aided scoring: event highlighting for easy raw data analysis
- Additional respiratory analysis by (effort-based) phase angle analysis\* - separate from flow

- ### Reports
- Computer-supported detection of artifacts
  - Standard or user defined reports

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



#### Respiratory Analysis

	Number (Index)	REM	Non-REM	Sleep
Obstructive	135 (20,7)	-	317 (48,5)	317 (48,5)
Mixed	89 (13,6)	-	114 (17,5)	114 (17,5)
Central	93 (14,2)	-	66,0	66,0
Undef. A.	-	-	-	-
<b>Total Apn.</b>	<b>317 (48,5)</b>		<b>58</b>	<b>58</b>
Hypopnoea	114 (17,5)	-	78	78
<b>A+H</b>	<b>431 (66,0)</b>		<b>25,5</b>	<b>25,5</b>
Limitations	-	-	24,1	24,1
RDI	431 (66,0)	-	-	-

Position	Supine	not Supine	Left	Right	Prone	Upright
Sleep Time Fraction (%)	100,0	-	-	-	-	-
Total Events (Index)	431 (66,0)	-	-	-	-	-
Obstr. Apnoea (Index)	135 (20,7)	-	-	-	-	-
Central Apnoea (Index)	93 (14,2)	-	-	-	-	-
Mixed Apnoea (Index)	89 (13,6)	-	-	-	-	-
Hypopnoea (Index)	114 (17,5)	-	-	-	-	-
Flow Limitations (Index)	-	-	-	-	-	-

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#### Datasheet SOMNOtouch™ RESP

<b>11 channels</b>
10 internal - respiratory airflow, snore, PAP therapy, thoracic breathing effort, SpO <sub>2</sub> , pulse rate, finger plethysmogram, body position, actigraphy, patient marker
1 external - abdominal breathing effort
1 AUX - up to 8 channels per external connector (e.g. PLM, ECG, EEG, EOG, EMG)
<b>Data collection / Data transfer</b>
12 bit signal resolution
Individually adjustable recording rate from 4/s to 512/s
<b>Data recording</b>
Internal data storage, 512 MB internal memory
Charging and data transfer via docking station
<b>Size and weight</b>
3.3" x 2.2" x 0.7", 2.3 oz. (incl. battery)
<b>Display</b>
high resolution, color touch display, resolution 320 x 240 pixels
<b>Power supply</b>
Li-Ion-battery (rechargeable), up to 21 hrs. recording duration
<b>Analysis software DOMINO light</b>

#### Snore Analysis

	All	Prone	Supine	Left	Right	Upright
Snore (Index)	80 (12,3)	-	80 (12,3)	-	-	-
Absolute Snore (min)	0,8	-	0,8	-	-	-
Snore Episodes (min)	0,6	-	0,6	-	-	-
<b>Snore Epts. (% Sleep Time)</b>	<b>0,1</b>					

This brochure is intended for the USA market only.

\* Method and device for monitoring the respiration.  
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