SOMNO medics

Sleep Apnea Screening as easy as ABC SOMNOtouch™ RES



- 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
- SpO₂, 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.

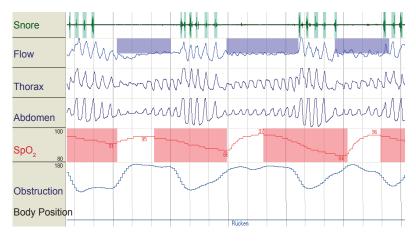
- ECG
- EEG
- EOG
- EMG (detection of periodic limb movements, PLM)



SOMNOtouch™ RESP

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

Data analysis and report





Automatic detection of artifactsStandard or user defined reports

- 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

O2 saturation Snore Analysis Number of Desatura (65,5) Minimai SpO2 (%) Baseline O2 satura Snore (Index) 0 (12.3 (12.3)0.8 0.8 Average SpO2 Number < 90 % Respiratory Analysis 146 13,5 % Snore Episo er (Index) 0,1 00:25:44 is. (% Sleep Time) Time < 90 % 35 (20,7) Biggest Desaturation Average Desaturation 03:03:0 19,0 93 (14,2) Cent 66,0 66,0 03:55:1 Average Mn. Desaturation 91 Total Apr 317 (48,5) rom 357 02:49:1 Sum all desaturation 2:15:26 34,6 % 431 (66,0) 25,5 25,5 SpO2 Delay (s) -Total Events (Index) 431 (66,0 35 (20,7) 93 (14,2) Sleep Stages 22:17 23:00 03:00 00:00 01:00 04:00 Datasheet SOMNOtouch™ RESP 1 26 channels Total Sleep Time (TST 06:31:50 10 internal (body position, movement, SpO₂, pulse rate, plethysmography, fficiency (%) ed Sieep Eff. internal effort, pressure/flow sensor, CPAP pressure sensor, snore, Artefac 97,8 patient marker) Sleep Latency Total Sleep period (SP 06:40:50 Sleep 06:31:50 97,8 2 AUX - up to 8 channels per external connector (e.g.: abdomen effort, ep Stage Change (In 4 (0,6) 2 (0,3) inductive effort belts (RIP), 2 PLM, ECG, EEG, combi electrode # Wake (Index) (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 Method and device for monitoring the respiration. Data recording Patent Number: DE 10 2007 035 549 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 SOMNOmedics GmbH · Am Sonnenstuhl 63 · 97236 Randersacker · Germany Li-Ion-battery (rechargeable), up to 21 hrs. recording duration Tel: +49-931/359094-0. info@somnomedics.eu. www.somnomedics.eu Analysis software DOMINO light

SpO₂ report, respiratory report, snore report, sleep/wake report