

SLEEP DIAGNOSTICS FOR CHILDREN? AS EASY AS 1, 2, 3.....

PEDIATRICS



SOMNOscreen® HD

SOMNOmedics is a global leader in pediatric sleep diagnostics, with some of the smallest devices offering a wide range of child-specific sensors, it's easy to see why we are the preferred choice.

- * Compact Design – The SOMNOscreen® HD is just 4.33 x 2.91 x 0.94 inches and weighs only 6.10 oz (incl. battery)
- * SOMNOscreen® HD can be used as a stationary device for children from 2 years of age and up
- * Intelligent Connect™ – Automatic sensor and electrode recognition – making montages a thing of the past
- * Color touch screen – Allows PC independent set-up, bio-calibration & impedance check at the bedside
- * Telemetric data transfer whilst data is also stored automatically on an SD card – allowing full mobility of the child
- * Many built in sensors – less cables – meaning higher comfort for the child & care giver
- * A large range of pediatric sensors available
- * True wireless technology – Real-time wireless data transmission

■ ■ ■ Made in Germany

SOMNO
medics

SOMNOmedics pediatric products

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

Integrated Channels:

Body position, Movement, SpO₂, Pulse rate, Plethysmogram, RIP belt*, Pressure flow, Snoring via pressure sensor, CPAP pressure, Patient marker, Ambient light, Intelligent power management.

*For smaller children the device can be placed beside the patient.



MOBILE SIGNAL CHECK

Save time and money by sending a screenshot of the live study data to your PC, tablet or smartphone.



Sensors

- AASM Headbox - 17 EXG (10 x EEG/EOG, 3 x EMG, 1 x ECG) **OR** EEG Headbox - 32 ch (25 x EEG/EOG, 6 x EMG, 1 x ECG)
- EEG/EOG Combi-Sensor
- SpO₂ Sensor (SpO₂, Pulse rate, Plethysmogram)
- Thermistor
- Inductive Effort Belts
- 1-Channel ECG
- PLM Sensors (Wireless version also available)
- Analog optocoupler, 1-channel or 4-channel, for recording external analog signals
- Digital optocoupler to connect the LoFlo capnometer
- External activity sensor
- External battery (for increasing recording time)

Integration of external signals

- CO₂ monitor (transcutaneous) integration
- Easy to record extra diagnostic parameters: Our devices can record up to 16 additional external signals via our range of 'optocouplers'



Video camera (optional extra)

Staging for children & adults ▶

DOMINO Software Features

- Specific analysis templates for children
- Create a generic channel for 'Undefined Apnea' & 'Periodic breathing' events and define the keys for scoring
- If the patient does not tolerate the thermistor and nasal cannula, then use the 'sum effort' as the breathing source

| | Delta | Alpha + Beta | AP |
|---------|-------|--------------|----|
| Wake | 1 | 4 | 3 |
| Rem | 1 | 1 | 2 |
| Stage 1 | 5 | 5 | 5 |
| Stage 2 | 5 | 5 | 5 |
| Stage 3 | 10 | 2 | 3 |