

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

PEDIATRICS



For adult and pediatric use.  
For pediatric use only in a hospital/clinic environment.

SOMNOmedics  
**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 × 2.91 × 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

## SOMNOscreen® HD pediatric sensors

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

EEG/EOG according to AASM

Thermistor & Nasal cannula

Microphone

1-Channel ECG

External activity and position sensor

Inductive effort belts

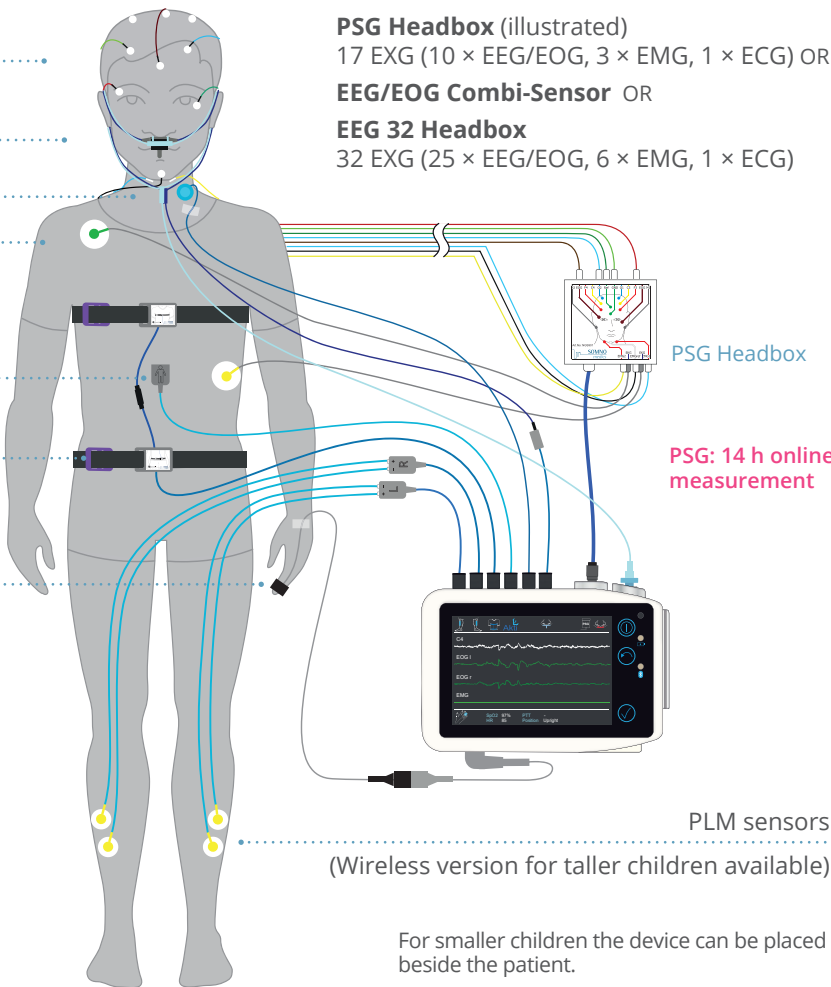
SpO<sub>2</sub> sensor

SpO<sub>2</sub>, pulse rate, Plethysmogram



### Mobile signal check

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



**PSG Headbox (illustrated)**  
17 EXG (10 × EEG/EOG, 3 × EMG, 1 × ECG) OR  
**EEG/EOG Combi-Sensor** OR  
**EEG 32 Headbox**  
32 EXG (25 × EEG/EOG, 6 × EMG, 1 × ECG)

PSG Headbox

PSG: 14 h online measurement

PLM sensors  
(Wireless version for taller children available)

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

### Integrated channels:

Body position, movement, SpO<sub>2</sub>, pulse rate, Plethysmogram, RIP belt, pressure flow, snoring via pressure sensor, CPAP pressure, patient marker, ambient light, intelligent power management.

### Integration of external signals

- CO<sub>2</sub> monitor (side-stream) integration
- Easy to record extra diagnostic parameters: Our devices can record up to 16 additional external signals via our range of 'optocouplers'.

### DOMINO software features

If the patient does not tolerate the thermistor and nasal cannula, then use the 'sum effort' as breathing source.



### OPTIONAL

- ★ Analog optocoupler, 1-channel or 4-channel, to record external analog signals
- ★ Digital optocoupler to connect the LoFlo capnometer
- ★ Video camera
- ★ External battery (to increase recording time)



Video camera



Analog optocoupler

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