

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

PEDIATRICS



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

- * Compact Design – The SOMNO HD ist just 110 x 74 x 24 mm and weighs 190 g (incl. battery)
- * The device can be used as a stationary device for children from the 1st month of life
- * 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
- * Special newborn template preloaded in our DOMINO sleep analysis software
- * 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.

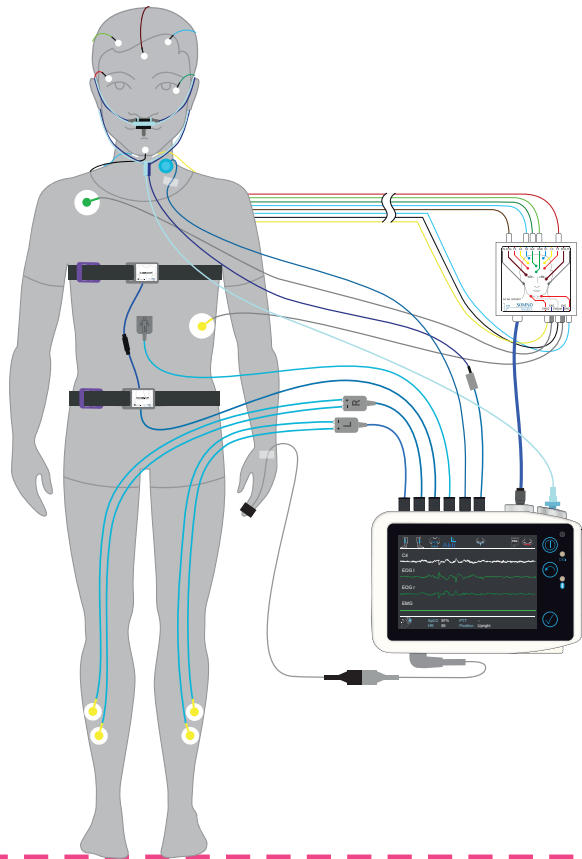
SOMNOmedics pediatric products

...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 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 + position
- PLM Sensors (Wireless version also available)
- Pneumotachograph
- IC-EMG Sensor
- High Sampling Microphone
- 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)
- Sensor for determining electrodermal activity (EDA)

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'
- True sound recorded with the Home Sleep Camera



Video camera (optional extra)



TCM5 FLEX transcutaneous CO₂ monitor - integration via optocoupler (optional)

DOMINO Software Features

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

	Delta	Alpha + Beta
Wake	1	4
REM	1	1
Trans.	5	5
NREM	10	2
Movement	4	3

◀ Parameters for newborns up to the age of 5-6 months

Staging for children & adults ▶

	Delta	Alpha + Beta	AFV
Wake	0	15	4
REM	0	0	1
N1	1	3	5
N2	2	2	5
N3	15	1	3
Artefact	0	0	4