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

74 mm

110 mm

SOMNO HD

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 × 74 × 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

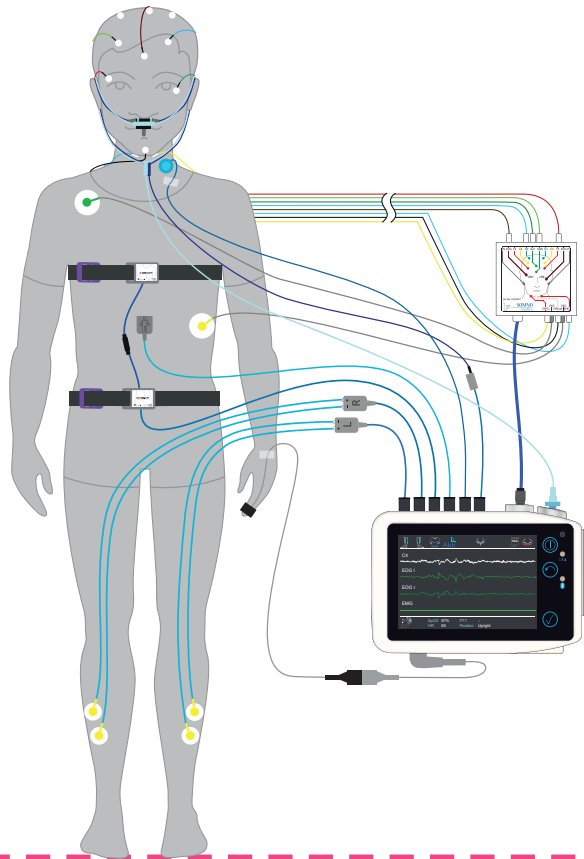* True wireless technology – Real-time wireless data transmission.

Made in Germany

SOMNO *medics*

SOMNOmedics pediatric products

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

Integrated Channels:

Body position*, Movement*, SpO_2, 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 × EEG/EOG, 3 × EMG, 1 × ECG) **OR**
- **EEG Headbox** – 32 ch (25 × EEG/EOG, 6 × EMG, 1 × ECG)
- EEG/EOG combi-sensor
- SpO_2 sensor (SpO_2, 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

- CO_2 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 infrared video camera

Infrared video camera (optional)

TCM5 FLEX transcutaneous CO_2 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

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

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

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

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