SLEEP DIAGNOSTICS FOR CHILDREN?
AS EASY AS CHILDSPLAY!

74 mm

110 mm

SOMNO HD eco

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 eco 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.

* Coloured LED – Signal control on the display

* 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*

SOMNO HD eco for Paediatrics

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

EEG/EOG cup electrodes

Thermistor & nasal cannula & retaining clip for simultaneous application

Syst./diast. blood pressure (optional)
(validated from 5 years)

Inductive effort belt

External body position sensor

MUX RIP effort sensor

Finger clip soft silicone for pulse oximeter or NONIN flexible finger clip

Active PLM/EMG sensors

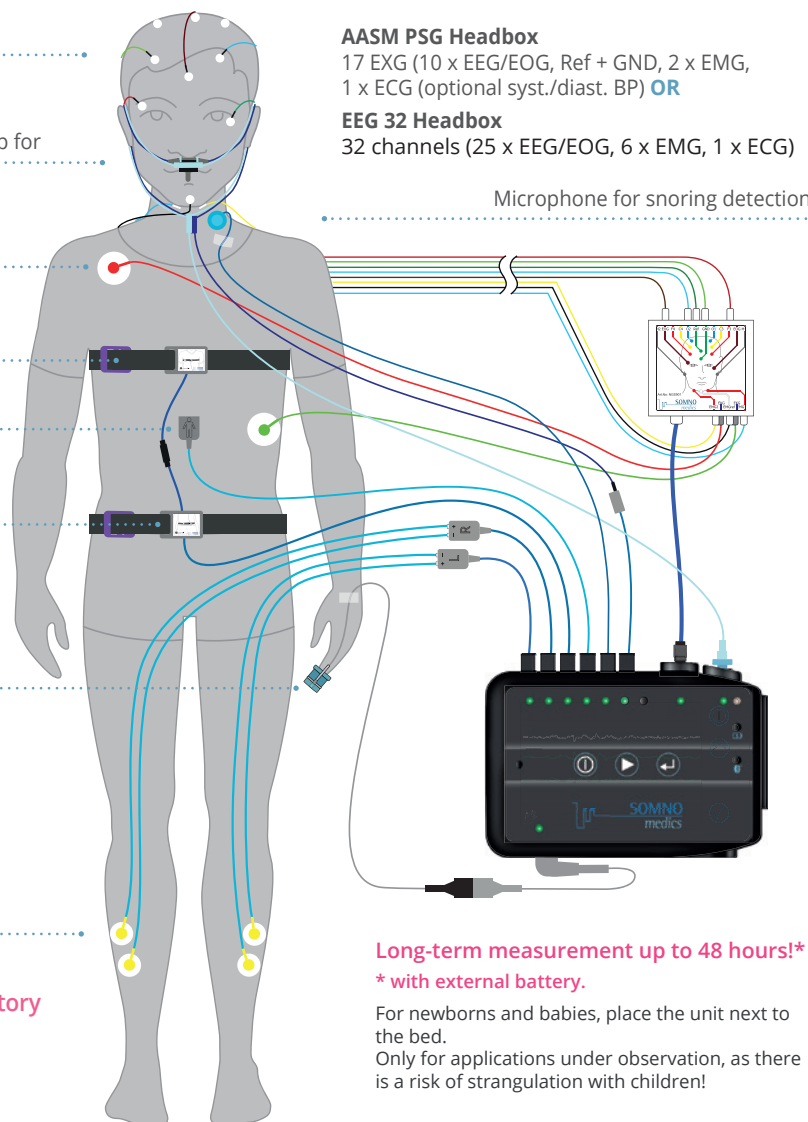## MODULAR CONSTRUCTION – Respiratory screening to PSG

❂ Paediatric sensor kit for PSG

AASM PSG Headbox
17 EXG (10 x EEG/EOG, Ref + GND, 2 x EMG, 1 x ECG (optional syst./diast. BP) **OR**

EEG 32 Headbox
32 channels (25 x EEG/EOG, 6 x EMG, 1 x ECG)

Microphone for snoring detection

Long-term measurement up to 48 hours!*
* with external battery.

For newborns and babies, place the unit next to the bed.
Only for applications under observation, as there is a risk of strangulation with children!

Integration of external Signals

- CO_2 monitor (transcutaneous) integration
- Up to 16 additional, external signals thanks to our ADC board
- True sound recorded with the Home Sleep Camera

Video camera
(optional)

TCM5 FLEX transcutaneous CO_2 monitor - integration via optocoupler (optional)

DOMINO Software Features

- Specific analysis template for newborns
- Optional: 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 5-6 months of age

	Delta	Alpha + Beta
Wach	1	4
REM	1	1
Überg.	5	5
NREM	10	2
Bewegung	4	3

Parameters for children & adults ▶

	Delta	Alpha + Beta	AFV
Wach	0	15	4
Rem	0	0	1
N1	1	3	5
N2	2	2	5
N3	15	1	3
Artefakt	0	0	4

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