

SLEEP DIAGNOSTICS FOR CHILDREN? SO EASY AS 1 plus 1



SOMNOscreen™ plus

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 – Only 140 × 80 × 36 mm in size and 220 g light (incl. battery)
- * The device can be used as a stationary device for children from the 1st month of life
- * Colour and mechanically coded sensor inputs for easy application
- * Optional: Signal control and biocalibration at the patient's bedside via app on tablet or smartphone
- * Special newborn template preloaded in our DOMINO sleep analysis software
- * Telemetric data transfer while simultaneously storing all data on the internal SD card – No measurement is lost
- * A large range of pediatric sensors available
- * Wireless technology: Continuous monitoring with online signal transmission to the evaluation PC in real time thanks to integrated data transmitter

SOMNOscreen™ plus for Pediatrics

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

EEG / EOG combi sensor

Thermistor & nasal cannula & retaining clip
for simultaneous application

Active ECG sensor

Inductive effort belts

External body position sensor

Inductive effort belts

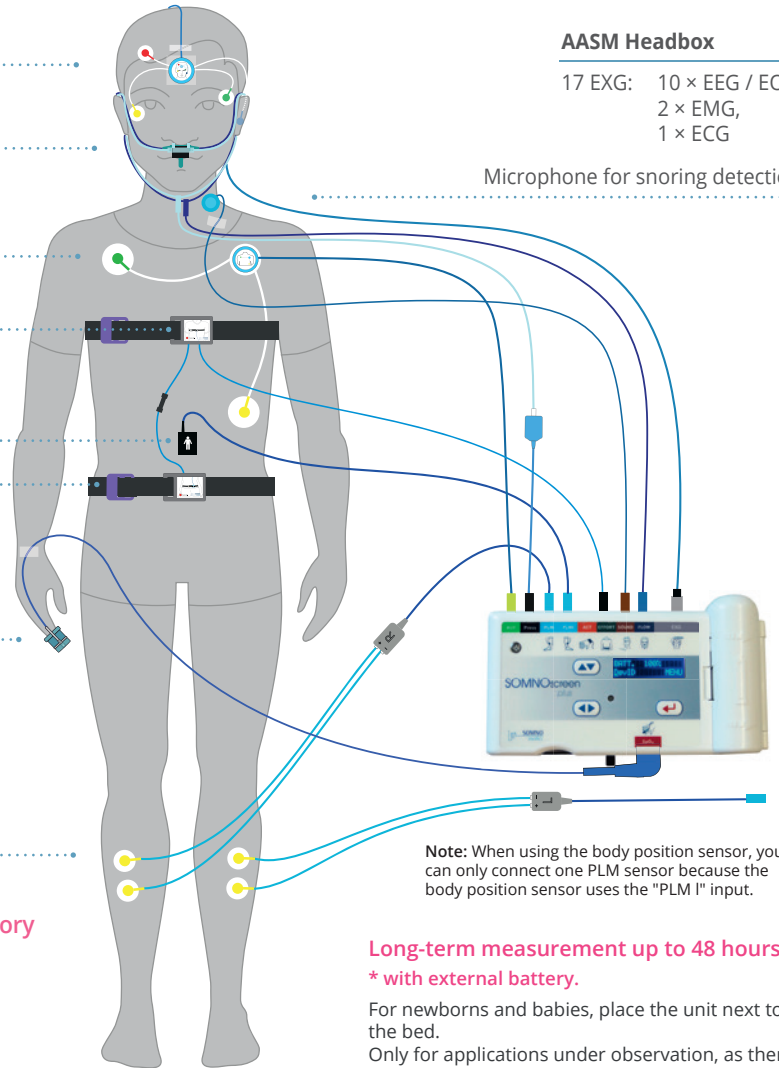
Finger clip soft silicone for pulse
oximeter or NONIN flexible finger clip

Active PLM / EMG sensor

AASM Headbox

17 EXG: 10 × EEG / EOG,
2 × EMG,
1 × ECG

Microphone for snoring detection



Note: When using the body position sensor, you can only connect one PLM sensor because the body position sensor uses the "PLM I" input.

MODULAR CONSTRUCTION - Respiratory screening to PSG

- ★ Paediatric sensor kit for PSG
- ★ Paediatric neonatal sensor kit
- ★ Set of extension cables for placing the SOMNOscreen™ plus next to the bed

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!

Device Features

- **Actigraphy** to determine sleep-wake time
- **Synchronous recording of heart rate variability** - for monitoring the autonomic nervous system
- Indication of **signal quality** by simultaneous continuous impedance measurement
- **Telemetric data transmission** - mobile use and permanent monitoring of the measurement



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

Integration of external Signals

- Up to 16 additional, external signals thanks to the optocoupler options e.g. capnography, PH meter.
- Recording of a synchronous audio signal via the infrared video camera



PTZ camera incl. infrared (optional)



Optocoupler (optional)