

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

PEDIATRICS



## SOMNOtouch™ RESP

SOMNOmedics is a global leader in pediatric sleep diagnostics, with some of the smallest devices offering a wide range of child specific sensors, as well as an home video option, it's easy to see why we are the preferred choice.

- \* One of the smallest pediatric sleep diagnostic devices on the market
- \* Ambulatory or lab-based
- \* Parent friendly 'timed auto-start' and camera set-up – allowing the PSG to take place in the home of the child
- \* Specific neonate templates in our Domino analysis software
- \* Telemetric data transfer whilst data is also stored automatically on an SD card - allowing full mobility of the child
- \* The device can be worn by the child as of the first month of life
- \* Many built in sensors – less cables – meaning higher comfort for the child & care giver
- \* A large range of pediatric sensors available

## SOMNOmedics pediatric products

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

### One of the smallest PG & PSG devices available

- Our SOMNOtouch™ RESP is only 84 × 55 × 18 mm and 64 g
- Internal Li-Ion battery with smart battery management system
- Automatic sensor recognition
- Mobile signal check for home screening applications

### Offline video for the ultimate home PSG test

- Less stress for the child if they sleep in their own bed
- Sync. video with the study results via our diagnostic software (system time based)
- Infrared illumination – allowing Sleep Lab standards at home



Tiny patients benefit from SOMNOmedics™ RESP: Our *tiniest* sleep diagnostic device

### PEDIATRIC SENSORS

- Fingerclip
- Soft Wrap
- Nasal cannula
- Inductive effort belts (RIP)
- Effort belts for internal effort
- 1-channel ECG sensor & more...

### MOBILE CHECK

Save time and money by getting a screen shot of the recording for a signal check to your PC, Tablet or Smartphone – ideal for ambulatory applications to ensure the study is running smoothly.



### Integration of external signals

- CO<sub>2</sub> 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 camera



Infrared video camera (optional)



A TCM5 FLEX transcutaneous tcpCO<sub>2</sub> monitor can be added via our optocoupler

### DOMINO Software Features

- Specific analysis templates for children
- Create a generic channel for 'Undefined Apnoea' & '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

Staging for children & adults

	Delta	Alpha + Beta	AF
Wake	1	4	3
Rem	1	1	2
Stage 1	5	5	5
Stage 2	5	5	5
Stage 3	10	2	3
Stage 4	10	2	3
Movement	4	3	4

< 0-2 months, post term 37-48 weeks conceptual age