

SOMNOmedics
SOMNOscreen®
plus

THE ORIGINAL & PROVEN PORTABLE PSG DEVICE

Up to 58 Channels with excellent signal quality

For all PG & PSG applications with unique active sensors

Wireless data transfer

In real time – for patients' comfort and mobility

Color & mechanical coded inputs

For easier sensor handling

ACTUAL SIZE



LCD Screen with control keys

Allows set-up & signal quality check at the patient bedside independent of a PC

Small & Compact Design

One size fits all, allowing ambulatory & stationary applications

■ ■ ■ Made in Germany

For adult and pediatric use.
 For pediatric use only in a hospital/clinic environment.

FEATURES

The **SOMNOscreen® plus** is the foundation of polysomnograph diagnostic technology pioneered by SOMNOmedics. Ahead of its time then and now, it continues to provide industry leading sleep diagnostics across the world.

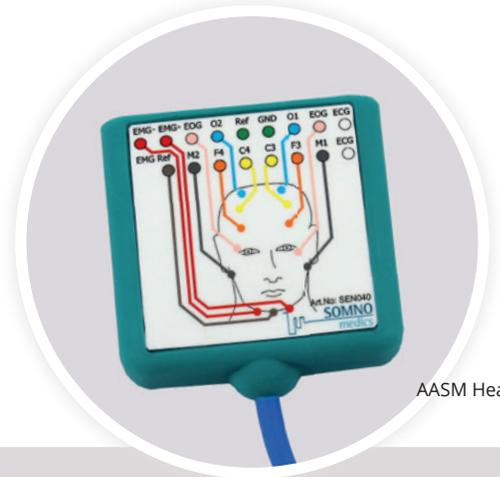


Thoughtful, Compact Design

- ◆ Small and comfortable to wear
- ◆ Rechargeable Li-Ion battery
- ◆ LCD Screen with control keys
- ◆ Start the data recording on the device

Unlimited Mobility for Patient & Physician

- ◆ PIN-encrypted data transfer via Bluetooth
- ◆ Flexibility for the clinic and mobility for patients
- ◆ Backup of recorded data onto a memory card – No loss of data in case of power failure, PC problems or if the patient leaves the room



AASM Headbox



Video camera



Versatile

- ◆ From basic respiratory screening to a full PSG recording with video
- ◆ Stationary or ambulatory configurations with video
- ◆ Continuous impedance recording

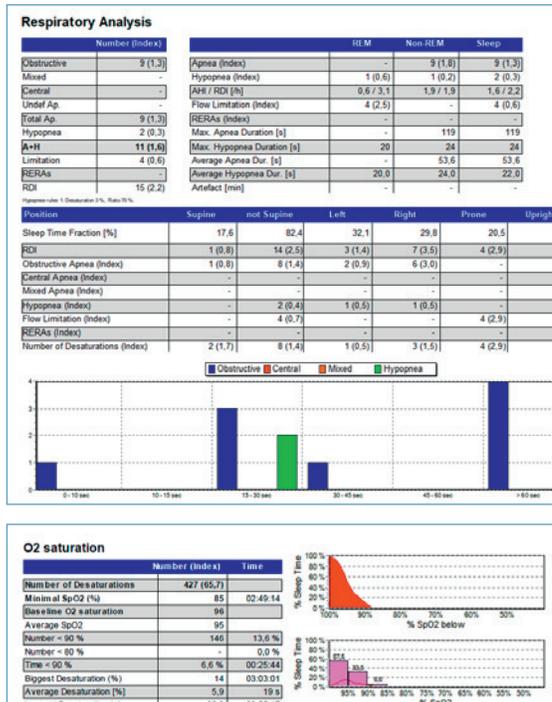
Dedicated App for Full Control at Bedside

- ◆ Signal check on the screen
- ◆ Zoom to a selectable time base
- ◆ Intuitive interface with gesture control



Automatic free updates for life

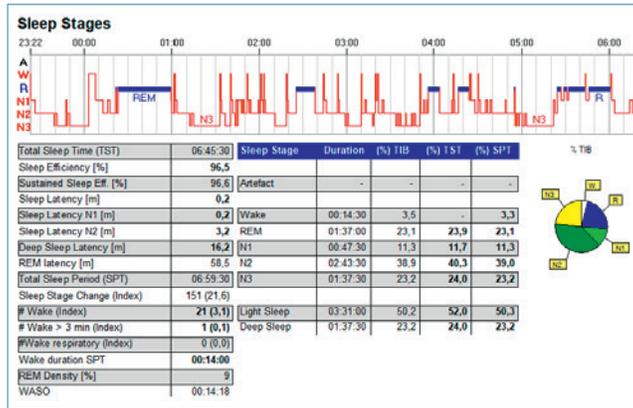
A small example of the available sleep reports



Domino Sleep Analysis Software

Not only does it provide all the standard sleep related functions, but also a staggering array of features and benefits that will suit even the most discerning sleep laboratory.

Visit www.somnomedics.com for more information.



Overview

Ambient Light Sensor

Marker Button for Relevant Events

Compact Flash Card

Eject Button

SpO₂ Connector

Interface Port

For adult and pediatric use.
For pediatric use only in a hospital/clinic environment.

Technical Specifications

Data collection

Data collection sampling rates: active filtering with 16 Bit ADC. Sampling rates adjustable from 4/s to 512/s (4096/s optional).

Data storage / Data transfer

Built-in BT data transmitter (up to 20 m) with online signal check at the patients' bedside via tablet or PC. Simultaneous storage on a compact flash card (up to 2 GB capacity).

58 Channels

16 Bit



Display

LCD screen with control keys

Size and weight

5.51 × 2.75 × 1.10 inches, 7.76 oz (incl. battery)

Power supply

Li-Ion battery (changeable)

Analysis software

DOMINO

SOMNOscreen® plus – PSG Configuration



EEG options

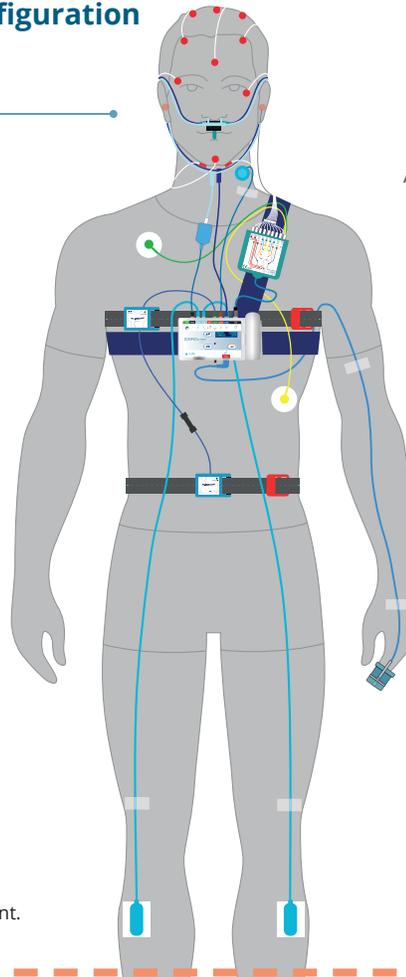
- ◆ Simplified Sleep Staging
- ◆ Sleep: AASM standards (illustrated)
- ◆ 32 ch. long-term EEG recording

Pediatrics
A full range of pediatric sensors is available and our DOMINO software offers semi-automatic or manual pediatric analysis.



IR video camera options

We offer IR video cameras for home-studies as well as for the sleep laboratory.
Contact us for further information.



Arousals

Additional arousal information based on the ability to pick up the reaction of the autonomic nervous system to sleep disturbances in the plethysmogram signal.

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SOMNOscreen® plus Signal and Sensor Options

INTEGRATED	OPTIONAL SENSORS	
Body position	SLEEP STAGING OPTIONS	
Movement	AASM Headbox – 17 EXG (10 × EEG/EOG, 2 × EMG, 1 × ECG)	Simplified Sleep Staging (1 × EEG, 2 × EOG)
SpO ₂	SLEEP LAB SENSOR OPTIONS	
Pulse rate	Thermistor (flow)	Microphone (snore)
Plethysmogram	2 x PLM sensor	2 × RIP belts
Effort belt	Transcutaneous CO ₂	Activity sensor
Patient marker	Sidestream CO ₂	Pneumotachograph
Ambient light	EEG SYSTEM OPTIONS	
Intelligent power management	EEG Headbox – 32 ch (25 × EEG/EOG, 6 × EMG, 1 × ECG)	Optional EMG
	ONLINE (IN-LAB) OPTIONS	
	EEG Headbox – 32 ch (25 × EEG/EOG, 6 × EMG, 1 × ECG)	Photic stimulator
	EXCLUSIVE TO SOMNOmedics	
	SPECIAL OPTIONS	
	Bedside signal check	Wireless transfer to PC
	Pan-tilt-zoom HD camera with integrated IR illuminator and loudspeaker/microphone for 2-way audio	
	Home Sleep Camera (offline video at home)	
	Connect external devices	Integration of CPAP-devices