

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 patient comfort and mobility

Colour & mechanical coded inputs

For easier sensor handling

**ACTUAL
SIZE**



Small compact design

One size fits all, allowing ambulatory & stationary applications.

Cuffless beat-to-beat blood pressure measurement

A new era in measuring blood pressure in a sleep laboratory - without disturbing sleep

LCD Screen with control keys

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

Hitwin
HEALTHCARE

Respiratory • Sleep Therapy • Cardiology

SOMNO
medics

The **SOMNOscreen™ plus** is the foundational PSG Diagnostic technology pioneered by SOMNOMedics. Ahead of its time then, and now, it continues to provide market leading diagnostics across the world.

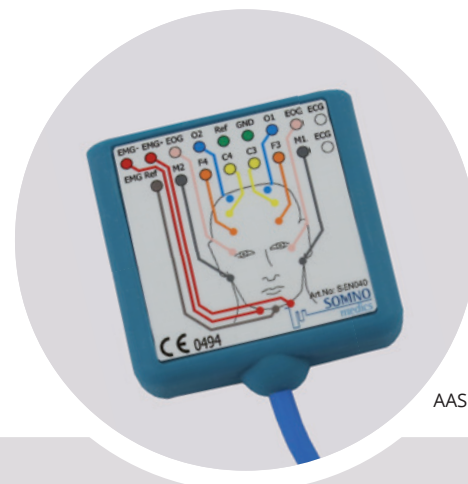


Thoughtful Compact Design

- ◆ 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

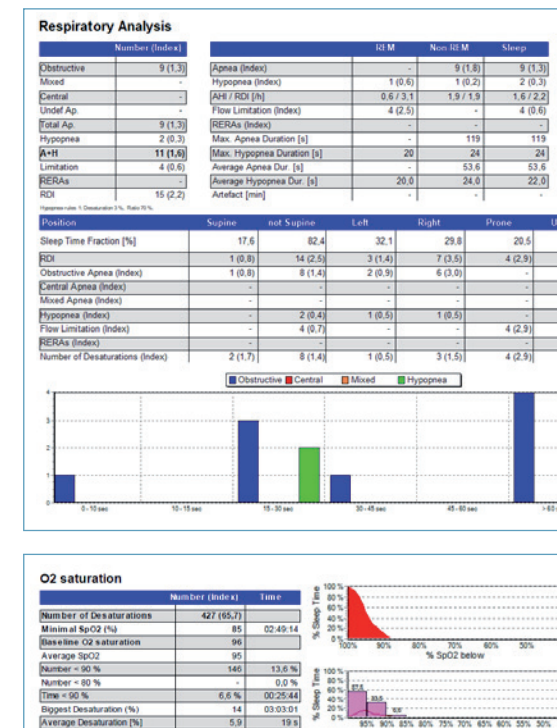


AASM Headbox

Video camera



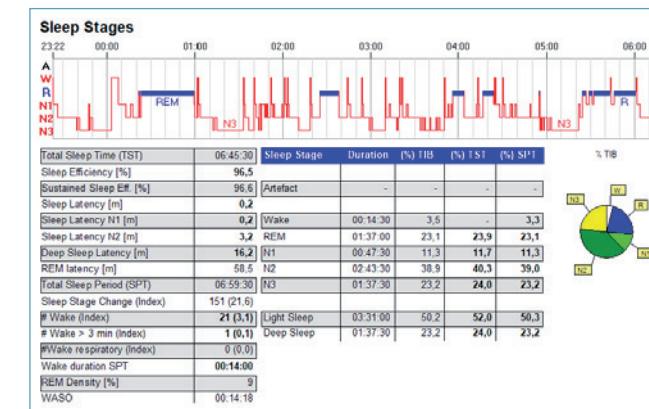
A small example from the available sleep reports



Domino Sleep Diagnostic Software Platform

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

Visit www.somnomedics.eu or ask for our dedicated DOMINO brochure for more information.



Overview

Ambient Light Sensor

Marker Button for Interesting Events

Compact Flash Card

Eject Button

SpO₂ Connector

Interface Port

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. A further transmitter can be added for 100 m range. Simultaneous storage on a Compact Flash Card (up to 2 GB capacity)



Display

LCD screen with control keys

Size and weight

140 x 70 x 28 mm, 220 g (incl. battery)

Power supply

Li-Ion battery (changeable)

Analysis software

DOMINO

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
- ◆ Biocalibration at bedside
- ◆ Zoom to a selectable time base
- ◆ Intuitive interface with gesture control



Automatic free updates for life

SOMNOscreen™ plus - PSG Configuration



EEG

- ◆ Sleep: AASM or R&K standards
- ◆ Simplified Sleep: 2 options
- ◆ 32 ch. longterm EEG recording

Pediatrics

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

Obstructive or central apnea?

With IC EMG - you can now better distinguish between obstructive and central apneas

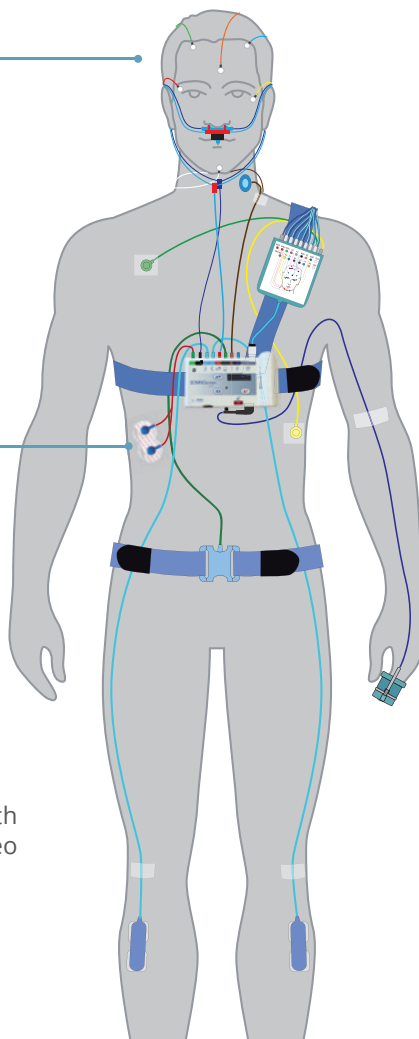


IR video camera options

A full range of IR video cameras both home based and lab based online video options available.
Contact us for further information.

Arousals

Arousal scoring based on the ability to pick up the reaction of the autonomous nerve system to awakenings in the plethysmogram



SOMNOscreen™ plus Signal and Sensor Options

INTEGRATED	OPTIONAL SENSORS*				
Body position	SLEEP STAGING OPTIONS				
	AASM Headbox - 17 EXG (10 x EEG/EOG, 2 x EMG, 1 x ECG)		Simplified Sleep Staging (1 x EEG, 2 x EOG)		
Movement	SLEEP LAB SENSOR OPTIONS				
SpO ₂	Thermistor (flow)	Microphone (snore)	Second effort belt	2 x PLM sensor	Bruxism
Pulse rate	Extra EMG	Pneumotachograph	External body position	Pediatric sensors	IC-EMG
Plethysmogram	Activity sensor	Sidestream CO ₂	Transcutaneous CO ₂	1 or 3-channel ECG	Pressure flow
Effort belt	EEG SYSTEM OPTIONS				
Patient marker	EEG Headbox - 32 ch (25 x EEG/EOG, 6 x EMG, 1 x ECG)			Photo stimulator	
Ambient light	ONLINE (IN-LAB) OPTIONS				
Intelligent power management	Bedside signal check	Wireless transfer to PC	Pan-Tilt-Zoom Camera (IR)	Intercom	
	Infrared camera	HD video (IR)			
	EXCLUSIVE TO SOMNOmedics				
	Cuffless beat-to-beat blood pressure measurement	Home Sleep Cam (offline video at home)	High frequency snore		
	SPECIAL OPTIONS			RESEARCH ONLY SENSORS AVAILABLE. Contact us for further information.	
	Connect external devices	CPAP integration			
* Not all sensors and options are available in all countries. Please check with your local dealer for further information.					

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