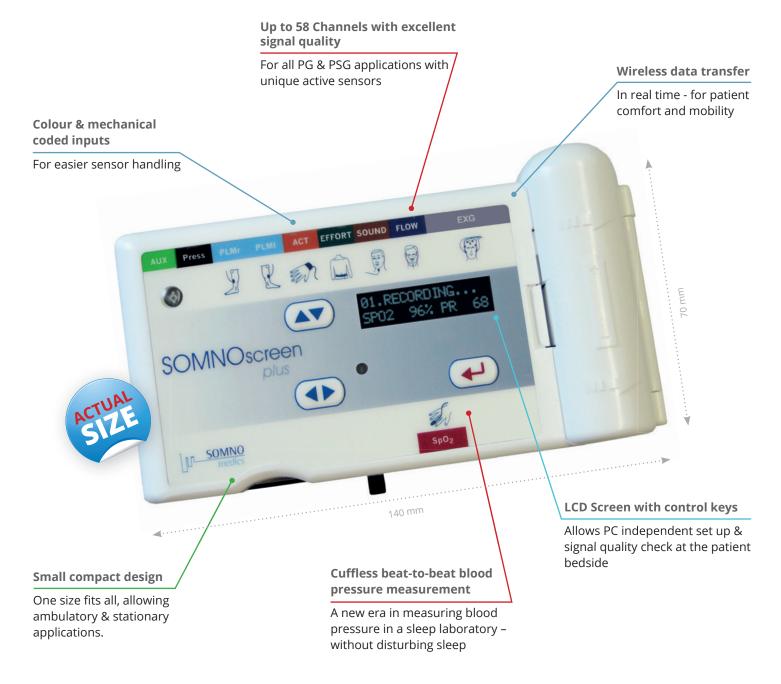
SOMNOscreenTM plus

THE ORIGINAL & PROVEN PORTABLE PSG DEVICE





& REPORTS

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.



Unlimited Mobility for Patient & Physician PIN-encrypted data transfer via bluetooth Flexibility for the clinic and mobility for

Backup of recorded data onto a memory card - No loss of data in case of power

failure, PC problems or if the patient leaves

patients

the room

Thoughtful Compact Design

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



N	lumber (Index)			REM	Non Ri	EM	Sleep		
Obstructive	9 (1.3)	Apnea (Index)			- 5	9 (1,8)		3)	
Moxed	-	Hypopnea (Ir	ndex)	1	(0,6)	(0,2)	2 (0,	3)	
Central	-	AHI / RDI [/h	1	0,6	/ 3,1 1,5	1/1,9	1,6/2	2	
Undef Ap.		Flow Limitati	on (Index)	4	(2.5)	-	4 (0.	6)	
Total Ap.	9 (1,3)	RERAs (Inde	ex)		-	-	-		
Hypopnea	2 (0.3)	Max. Apnea Duration [s]			-	119	119		
A+H	11 (1,6)	Max. Hypopnea Duration [s]			20	24	24		
Limitation	4 (0.6)	Average Apr	ea Dur. [s]		-	53.6		,6	
RERAs	-	Average Hyp	opnea Dur. [s]		20,0	24,0		22,0	
RDI	15 (2,2)	Artefact [min	0			-			
Hyperes rules 1 Desauration 31	L. Rato 70%.								
Position		Supine	not Supine	Left	Right	P	rone		
Sleep Time Fraction [%]		17,6	82.4	32,1	29.	8	20,5		
RDI		1 (0,8)	14 (2,5)	3 (1,4)	7 (3,5	7 (3,5)			
Obstructive Apnea (Index)		1 (0.8)	8 (1,4)	2 (0,9)	6 (3.0	1)	-	_	
Central Apnea (Index	r)	-	-						
Mixed Apnea (Index)		-	-	-			-		
Hypopnea (Index)	- 0		2 (0,4)	1 (0,5)	1 (0,5	9			
Flow Limitation (Index)			4 (0,7)	-			4 (2,9)	_	
RERAs (Index)	53		-	-		-	-		
Number of Desaturat	of Desaturations (Index)		8 (1,4)	1 (0,5)	3 (1,5	9	4 (2.9)	Т	
		Obstr	octive Central	Mixed	Hypopnea	1			
3									
0-10sec 10-15s		15-30 sec		30-45 sec	45	60 sec	я		

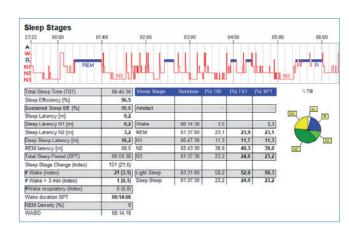
A small example from the available sleep reports

	Number (Index)	Time	1	60%-					
Number of Desaturations	427 (65,7)		8	40%					
Minimal SpO2 (%)	85	02:49:14	60 :	20 %-					
Baseline O2 saturation	96			100%	90%	80%	70%	60%	-
Average SpO2	95					%	Sp02 bel	low	
Number < 90 %	146	13,6 %	9 10	00 % y					
Number < 80 %		0,0 %	THE ST	00 % P7.5					
Time < 90 %	6,6 %	00:25:44	9	40 %	ms				
Biggest Desaturation (%)	14	03:03:01		20 %-	10				
Average Desaturation [%]	5,9	19 s	*	0%-	5% 90%	15% 80%	75% 70%	65% 60	7%
	44.4	44.44.4					SC CHOS		

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.



Video camera

Overview



Versatile

- From basic respiratory screening to a full PSG recording
- 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



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







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

ONFIGURATION

is a registered trademark of SOMNOmedics GmbH

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.



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

OPTIONAL SENSORS* **SLEEP STAGING OPTIONS** Body position AASM Headbox - 17 EXG Simplified Sleep Staging (10 x EEG/EOG, 2 x EMG, 1 x ECG) (1 x EEG, 2 x EOG) **SLEEP LAB SENSOR OPTIONS** Movement Thermistor (flow) Microphone (snore) Second effort belt 2 x PLM sensor Bruxism SpO₂ Extra EMG Pneumotachograph External body position Pediatric sensors IC-EMG Pressure Activity sensor Sidestream CO₃ Transcutaneous CO. 1 or 3-channel ECG Pulse rate flow **EEG SYSTEM OPTIONS** Plethysmogram EEG Headbox - 32 ch | (25 x EEG/EOG, 6 x EMG, 1 x ECG) Photo stimulator **ONLINE (IN-LAB) OPTIONS** Effort belt Pan-Tilt-Zoom Camera (IR) Bedside signal check Wireless transfer to PC Intercom Infrared camera HD video (IR) Patient marker **EXCLUSIVE TO SOMNOmedics** Home Sleep Cam High frequency snore Cuffless beat-to-beat blood pressure measurement (offline video at home) Ambient light **SPECIAL OPTIONS** RESEARCH ONLY SENSORS AVAILABLE. Contact us for further information. Intelligent power **CPAP** integration Connect external devices management * Not all sensors and options are available in all countries. Please check with your local dealer for further information.