



*Excellence in advanced sleep diagnostics*

# Sleep&Go

CARDIORESPIRATORY  
POLYGRAPH



AASM and GES guidelines  
**Creating the future**

# Sleep&Go · cardiorespiratory polygraph

## EXPERIENCE IS OUR GUARANTEE

### Description

The *Sleep&Go* device is a powerful cardiorespiratory polygraph with 8 standard channels upgradeable up to 16, depending on the needs of the client needs. The *Sleep&Go* can mix the following signals: respiratory flow (nasal cannula and thermocouple), snoring, CPAP pressure, thoracic effort, abdominal effort, pulseoximetry, heart rate (BPM), plethysmographic wave, limb movement, body position, actigraphy (activity) and EEG, EOG, EMG and/or ECG signals.

The device complies the latest guidelines follow AASM (American Academy of Sleep Medicine) and the GES (Spanish Sleep Group).

### Main features

- Type III cardiorespiratory polygraph.
- Sturdy, light and comfortable.
- Easy, user friendly operation.
- Color graphics screen.
- MicroSD / MicroSD HC memory card.
- Bluetooth connectivity.
- Programmable from a PC and the equipment itself.
- Linearized flow wave by the square root for proper identification of apneas, hypopneas and flow restriction.
- On-screen signal quality control.
- Signals view in real time on screen.
- On-screen equipment status information (memory available, battery level, error warnings, sensors connected...).
- Quick user guide for patients.



ExG module to obtain EEG, EOG, EMG, ECG. (maximum 3 channels)

Removable Micro SD memory card.



Suitable for pediatrics\*



CPAP pressure channel

### Available events

Apnea (obstructive, central and mixed), hypopnea (obstructive, central and mixed), desaturation, snoring, flow limitation, non-specific respiratory event, periodic limb movement (PLM), arousal, RERA, bruxism, periodic breathing, Cheyne-Stokes respiration, tachycardia, bradycardia.

### PTT channel

Pulse transit time from the aorta (detected by the ECG channel) to the peripheral arteries (by means of the pulse oximeter pulse wave).

\*  $\geq 5$  years old

# Sleep&Go · cardiorespiratory polygraph

## BITMEDLab SOFTWARE

The new BITMEDLab is a powerful software program available for the whole range of BITMED polygraphs and polysomnographs.

During the test review, select the too similar to sleep stages you want to print and print them all at the same time at the end of the test.

Set the automatic start and end of the test quickly and easily from PC.

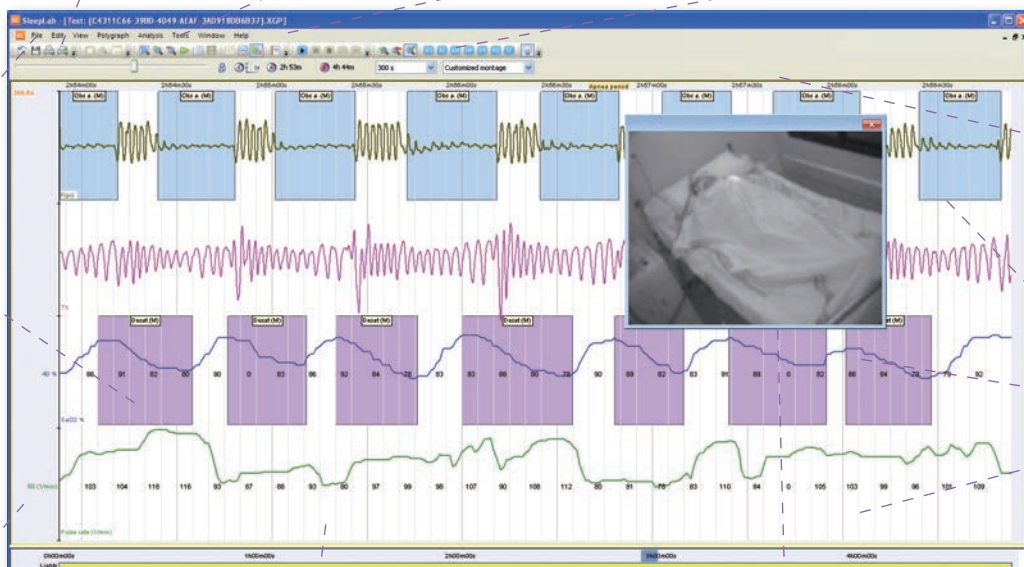
Customizable automatic analysis criteria.

Multiple event marking options, with either the keyboard or the mouse.

Test exporting in ASCII and EDF formats.

Automatic or manual marking of sleep events.

Different events depending on the type of performed test.



Insert text notes anywhere in the test.

Multiple time baselines, trend window and a summary panel with all the events and episodes of the test.

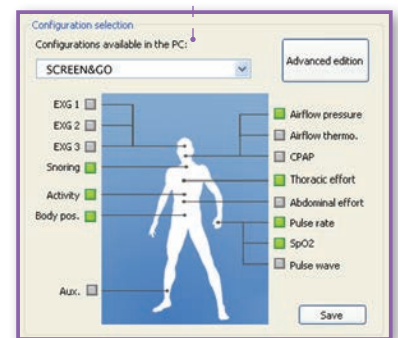
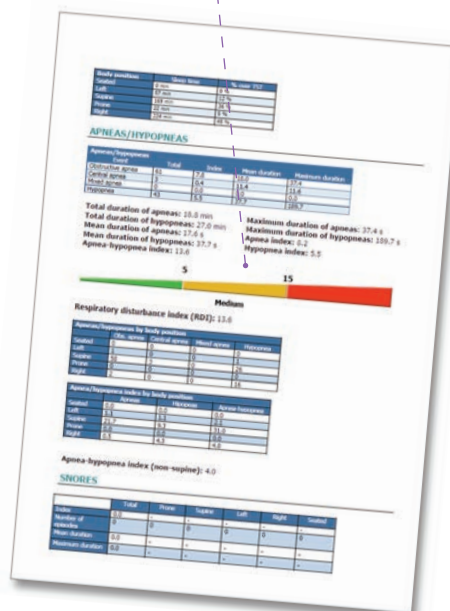
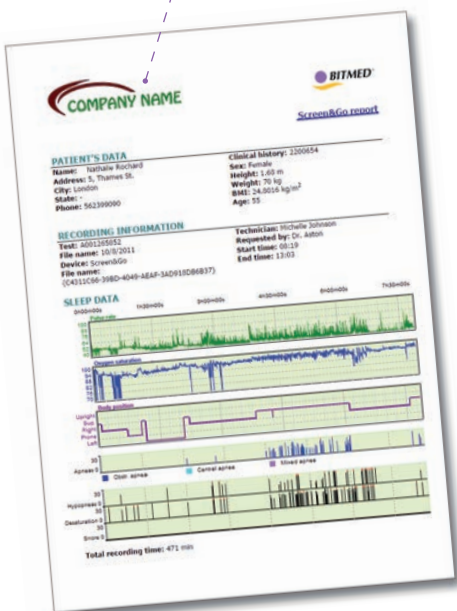
Integrated database for patient and test management.

Synchronized digital video option.

Generate complete reports based on customized templates, integrated in MS Word and exportable as RTF or PDF.

IAH severity graph as an aid to the diagnosis.

Choose the channels to be acquired during the test on the graph.





# Sleep&Go · cardiorespiratory polygraph

## CONFIGURATION

	Model A	Model B
Respiratory flow via nasal cannula	■	■
Snoring via nasal cannula	■	■
CPAP level	●	■
Thermocouple	●	■
Inductive chest effort	■	■
Inductive abdominal effort	●	■
Limb movement	●	■
External snoring*	●	●
External module ExG (3 channels)	●	●
SpO <sub>2</sub>	■	■
Pulse (BPM)	■	■
Pulse wave	●	■
Position	■	■
Activity	■	■
Bluetooth (real time)	●	■

■ Included ● Optional

\* Can not be used simultaneously with the movement sensor

## Technical Specifications

Type III cardiorespiratory polygraph

No. of channels: 8-16 (15 simultaneous)

Dimensions: 86x86x24 mm

Weight: 140 gr (without battery)

Internal battery: 2 AA alkaline/NiMH rechargeable batteries.

Battery life >24h in Holter mode

Battery life: 3 studies of 8 hours using all the channels

Memory: Micro SD. Maximum 2Gb (>220 studies of 8 hours)

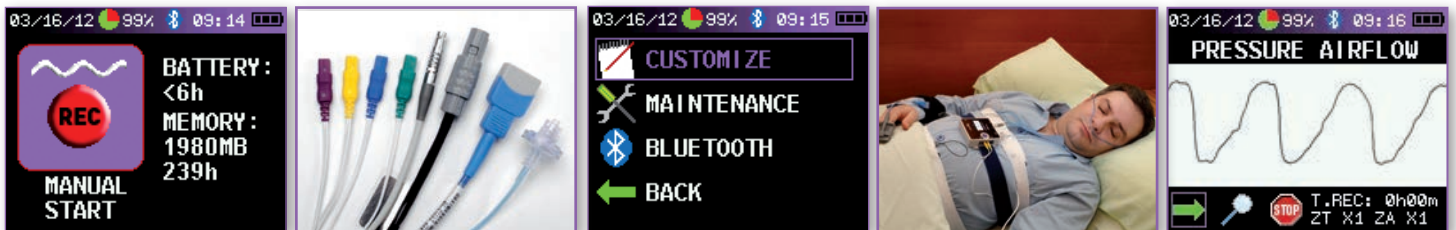
Micro SD HC. Maximum 16Gb (>1760 studies of 8 hours)

Input range:

- Thermocouple, thoracic effort, abdominal effort, auxiliary polygraph input, channels ExG (x3):  $\pm 5$  mVpp
- Respiratory flow through pressure transducer:  $\pm 4$  cmH<sub>2</sub>O (3.9 hPa)
- CPAP pressure: 0-20 cmH<sub>2</sub>O (0.49 hPa)
- Snoring through pressure transducer  $\pm 0.5$  cmH<sub>2</sub>O (0.49 hPa)
- Pulse: 18-321 BPM (1/min)
- Pulseoximetry: 0-100%
- Plethysmographic wave: 0-255
- Activity meter: approx.  $\pm 300$  m/s<sup>2</sup>
- Body position: supine, prone, left, right, seated

Linearity:

- Respiratory flow (pressure transducer), snoring (pressure transducer):  $\pm 3\%$
- Thermocouple, thoracic effort, abdominal effort, auxiliary polygraph input, channels ExG (x3), activity meter:  $\pm 3\%$



## SCREEN&GO · SAHS screening

The *Screen&Go* is a powerful single channel SAHS screening device (Type IV) that uses a nasal cannula (standard) to provide the signals necessary for an easy, reliable and fast diagnosis of the patient.

Thanks to its versatility, the equipment can be upgradeable to as many as 8 channels (7 simultaneous channels recordings).

The device complies with the latest guidelines of the AASM (American Academy of Sleep Medicine) and the GES (Spanish Sleep Group).



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