



# somté<sup>TM</sup> PSG

Full PSG ... absolutely anywhere



Whether you are looking for a recorder for attended sleep studies, or you wish to perform full polysomnography in an unattended, ambulatory setting, or both,



### Full PSG for in lab convenience

- Attended in lab recordings of the full complement of PSG signals using recommended technology.
- Maximum patient freedom and comfort - The patient is not tethered to any bedside unit or computer, instead data is transferred via Bluetooth wireless transmission from the patient worn unit to the bedside station.
- Do everything you can usually do with an in-lab study – monitor patient data, record synchronized digital video, add annotation, run automatic or manual on-line data analysis. Technical reports can be ready just minutes after the recording ends.
- The bedside station provides Ethernet connectivity for remote LAN/WAN/Internet viewing and acquisition.
- The bedside station allows up to 8 external DC inputs for other channel capabilities such as pH or capnography.



# somté<sup>™</sup> PSG

is the solution you're looking for - the simplest and most convenient way to meet requirements for **full PSG ... absolutely anywhere.**



### Full PSG for ambulatory recording

- The simple patient worn unit allows rapid setup and use of the system anywhere.
- Fully self contained. No PC or laptop is required to setup and acquire data, although data cards can be pre-programmed to automatically start and stop recording at pre-set times, and add patient identification to the study.
- Integrated LCD screen to check the quality of signals before or during recording.
- Unique signal status display for instant signal integrity and impedance checks. Signal integrity can be displayed during data review for quality assurance.
- Integrated storage card (Compact Flash) up to 2GB for up to 24 hours data collection.
- Uses analogue differential amplifiers for the simplest and most robust recording of physiological signals, even in less than ideal situations.



# Technical Specifications

## Available channels

- 2 x EEG
- 2 x EOG
- EMG
- ECG – with Thoracic Impedance option
- EXG – user selectable as ECG, EEG, EMG or EOG
- Airflow from Pressure transducer
- Snore
- Pressure (for CPAP/ Bilevel)
- Thoracic RIP band
- Abdominal RIP band
- Limb
- Position
- Oximeter provides SpO<sub>2</sub>, Pulse Rate, Plethysmography waveform and Oximeter probe status
- Aux selectable as thermistor, external position sensor, Aux AC or Aux DC

## Weight

- 205gm (7.2 ounces) (excluding batteries)
- **Recorder Size:** Width 113mm x Height 65mm x Depth 30mm (including belt clip), (4.4 x 2.5 x 1.2 inches)
- **Patient Input Box:** Width 53mm x Height 133mm x Depth 25mm (including belt clip), (2.1 x 5.2 x 1 inches)

## Flexible Signal Options

- Use a cannula and pressure transducer and/or thermistor to record airflow
- Use Inductive Plethysmography or thoracic impedance technology to record respiratory effort

- Use position sensor integrated into headbox or an external position sensor if preferred

## Sampling Rate

- 1-256Hz

## Wireless Technology

- Uses Bluetooth Wireless technology (Class 2) for patient comfort
- Up to 20m range from bedside station to patient - dependant on environment

## Power

- 2 x AA alkaline or NiMH batteries

## Recording Time

- For up to 24 hours of recording

## Event Button

- Any button press during recording is recorded as an event

## Electrode/Sensor status

- Electrode/sensor status indicator before and during recording as well as at review

## Software Options

- **Data Card Manager** allows selection of options, pre-set start and stop recording times, set up patient information
- **PSG Online** for monitoring attended studies via Bluetooth. Not required for unattended studies
- **ProFusion PSG** for data analysis
- **Digital Video** can be used with PSG Online
- **neXus Lab Manager** for data and workflow management



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