nox MEDICAL

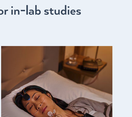
nox A1s™

Hospital-to-Home PSG System

Nox A1s -

A true Hospital-to-Home PSG

The Nox A1s is a device based on the foundation of the innovative Nox A1 which redefined how PSG studies are performed in a clinical setting. The Nox A1s PSG system is a true Hospital-to-Home sleep diagnostic system with wireless design and revolutionary versatility. The new Nox A1s system is a more evolved solution, able to perform level I, level II, and level III sleep studies to test and diagnose more diverse patient populations.



The Noxturnal App

Bedside control for increased efficiency during patient hookup and calibrations with the Noxturnal Android ™ Application

- Perform bio -calibration and impedance checks next to patient.
- Review signal quality of sensors.
- View live traces.
- Runs on the Android™ platform.
- Wireless connection to the tablet is encrypted.

Flexible PSG System with High Quality Signals

- Dual purpose capability to perform in-lab and at-home sleep testing.
- Small and lightweight PSG recorder designed with patient comfort in mind.
- High quality signals both in Type I in-lab setting, and Type II home unattended setting.
- Complete PSG system with integrated RIP and PTAF that fits in the palm of your hand.
- Built-in redundancy and advancements in technology integration for low failure rates.
- Nox A1s can be used for patients greater than 2 years of age.

Complete PSG system -

Meeting AASM standards for in-lab studies

With the Nox A1s System the clinician has all the necessary channels satisfying the AASM criteria for in-lab PSG studies. The Nox A1s together with the Nox C1 can be used to monitor and score sleep recordings in real time within a clinical setting. With the Nox A1s system the cables are minimized and customizable so the patient is not tethered to the bed.

Advanced Technology

- High quality signals for Type I in-lab setting.
- 10 unipolar inputs for EOG and EEG.
- 3 unipolar EMG sub-mental inputs.
- 4 configurable bipolar inputs (Thermistor, ECG, EMG).
- Built in Bluetooth® BLE 5.0 technology.
- Sound from built-in microphone.
- Pressure from nasal and mask cannula.
- Position and activity from built in 3D acceleration sensor.
- Integrated Nox RIP Technology (calibrated).
- Pulse, SpO2, and pleth waveform from a Bluetooth® enabled oximeter.
- Minimum of 10 hours recording time with a disposable alkaline battery.

Nox C1 Access Point

- Allows recorded signals from the Nox A1s to wirelessly transmit to the control room.
- 12 DC inputs.
- Built in Differential Pressure Sensor.
- 2 x USB Ports.
- 2 x RS-232 Serial Ports.
- LAN port.
- Ambient Light Sensor.

Noxturnal Software

The Noxturnal software is a multi-function platform that unleashes the full potential of the Nox A1s along with the Nox T3s. Offering study configuration, automatic analysis, scoring, and advanced reporting tools, Noxturnal is a powerful tool in the hands of any clinician.

Patient Information
Respiratory Indices
Sleep Percentages
Total Sleep Time: 06:00
Total Recording Time: 08:00
Sleep Efficiency: 75.0 %
Sleep Latency: 00:00
REM Latency: 00:00
Sleep Onset: 00:00
Wake Time: 06:00
Sleep Offset: 06:00
Wake: 25.0 %
REM: 0.0 %
NREM: 75.0 %
Sleep Stage
Position
Snoring
Pulse
Oximetry
Pleth
Pressure
Thorax
Abdomen
Flow
Thermistor
Nasal Pressure
Flow Limitation
Snoring
Leg Movements
Arousal
Apnea
Hypopnea
Desaturation
Bradycardia
Tachycardia
Asystole
Pulse Rate