

∩ O X A1s[™]





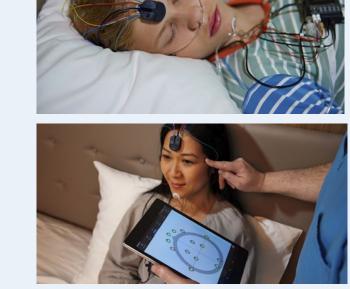
A true Hospital-to-Home PSG

The Nox Als is a device based on the

foundation of the innovative Nox Al which

Nox Als

redefined how PSG studies are performed in a clinical setting. The Nox Als PSG system is a true Hospital-to-Home sleep diagnostic system with wireless design and revolutionary versatility. The new Nox Als 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



» Runs on the

Android™ platform.

» Wireless connection to the

Andriod app is encrypted.

efficiency during patient hookup and calibrations with the

Bedside control for increased

Flexible PSG System with High Quality Signals

» Dual purpose capability to perform

in-lab and at-home sleep testing. » Small and lightweight PSG recorder

Noxturnal Android™ App

» View live traces.

» Perform bio -calibration and

impedance checks next to patient.

» Review signal quality of sensors.

- and PTAF that fits in the palm of your hand. » Built-in redundancy and advancements
- » Complete PSG system with integrated RIP
- » High quality signals both in Type I in-lab » Nox Als can be used for patients greater setting, and Type II home unattended setting. than 2 years of age.

designed with patient comfort in mind.

in technology integration for low failure rates.

Meeting AASM standards for in-lab studies

Complete PSG system

With the Nox Als the clinician has all

can be used to monitor and score sleep recordings in real time within a clinical setting. With the Nox Als the cables are minimized and customizable so the patient is not tethered to the bed. Advanced Technology

the necessary channels satisfying the AASM criteria for in-lab PSG studies. The Nox A1s together with the Nox C1

» 10 unipolar inputs for EOG and EEG. » 3 unipolar EMG sub-mental inputs. » 4 configurable bipolar inputs (Thermistor, ECG, EMG).

Nox C1

» Built in Bluetooth® BLE 5.0 technology.

» High quality signals for Type I in-lab setting.

- » Sound from built-in microphone.
- **Access Point**
- to transmit to the control room. » 12 DC inputs. » Built in Differential Pressure Sensor.

» Allows recorded signals from the Nox Als

91%

» Import or export EDF format.

» Continuous impedance control.

» 2 x USB Ports.

» 2 x RS-232 Serial Ports. » LAN port. » Ambient Light Sensor.

Pressure from nasal and mask cannula.

» Integrated Nox RIP Technology (calibrated).

» Minimum of 10 hours recording time with

a disposable alkaline battery.

» Pulse, SpO2, and pleth waveform from a Bluetooth®

» Position and activity from built in 3D

acceleration sensor.

enabled oximeter.

Noxturnal

Software

The Noxturnal software is a multifunction platform that unleashes the full

potential of the Nox Als 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.

» Accurate and reliable automatic scoring analysis.

» Customizable workspace layouts and event types.

Accurate Results

The Nox Als system has advanced

» Recording results window providing a quick glance » Single click scoring. signal and result overview. » Easily customizable reports include tables, graphs, and narrative interpretation.

Powerful and User-Friendly Software

- In-Lab and At Home Unmatched simplicity in PSG setup
- ambulatory capabilities. As demonstrated in research published in the peer-reviewed journal Sleep and Biological Rhythms¹, the system can be used effectively in patients' homes.



Technical Specifications

pulse, plethysmography, and more.

Thorax and Abdomen RIP, Nasal pressure/Mask pressure, Snore Signal, Audio and

snoring channel, 13 unipolar channels, 2 bipolar channels, Position, Activity, SpO2,

13x Unipolar Channels - Touch proof connector DIN 42-802, ±3.2mV input range < Unipolar Channels 1 μVrms noise, 512 kHz sampling rate Bipolar Channels 4x Bipolar Channels Keyhole connector, ± 1024 mV input range, $< 3 \mu$ Vrms noise,

Nox A1s Technical Specifications

Signal Specifications:

Available Signals

Flow/Pressure Signal	2x RIP Channels Thorax and abdomen respiratory inductance plethysmography,
	200 H- S
	200 Hz Sampling, 1x Flow/Pressure Channel -5cmH20 to +50cmH20 input
	pressure range, DC-80 Hz, <1 mmH2O noise
Activity/Position Signals	Internal 3 axis, ±2 g
Sound Signals	1MHz sampling, internal 8 kHz bandwidth
Wireless Interface	Bluetooth® V5.0 BLE wireless interface for external devices
Ambient Light	1 Hz
Performance Specifications:	
Storage Capacity	4 GB
Recording Time	20-30 hours with new lithium battery
PC Communications	USB 2.0 hi-speed
Physical Specifications:	
Power Source	One 1.5VAA battery during recording; Host PC USB during data download
Battery Type	Nickel-metal hydride rechargeable (NiMH), lithium and alkaline
Battery Cover	Tamper proof and locked
Device Dimension	82 mm W x 62 mm H x 26 mm D (3.2 in W x 2.44 in H x 1.02 in D)
Weight	Weight 92 g (120g with battery)
Display	OLED-dimensions 19 x 35 mm (0.75 x 1.38 in), resolution 128 x 64 dots
USB Connection	USB Type C

Weight	Weight 92 g (120g with battery)
Display	OLED-dimensions 19×35 mm (0.75 x 1.38 in), resolution 128×64 dots
USB Connection	USB Type C
Coft	
Software:	
Minimum PC Requiren	ents
	Windows 8.1 and higher
	Processor: X64 based Intel or AMD, 1.7 GHz or faster
	2GB RAM, 4 GB of free disk space

Distributed by:

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