Product Portfolio

NOX A1s™ | NOX T3s™ | noxturnal

Nox A1s™
A True In-Lab or Ambulatory PSG System
- meeting AASM standards for in-lab studies*

The Nox A1s™ PSG System is a fully wireless and portable polysomnography system that shows reliable, high-quality signals, and is designed for an easy hookup experience and patient comfort.

The new Nox A1s System is a true dual in-laboratory or ambulatory sleep diagnostic system able to perform Type I and Type II sleep studies to test and diagnose more diverse patient populations.

*Berry RB, Quan SF, Abreu AR, et al.; for the American Academy of Sleep Medicine. The AASM Manual for the Scoring of Sleep and Associated Events: Rules, Terminology and Technical Specifications. Version 2.6. Darien, IL: American Academy of Sleep Medicine; 2020.

Scan the QR code with your mobile device and watch how the Nox A1s works

Advanced Technology with High-Quality Signals

» Small and lightweight PSG recorder designed with patient comfort in mind.

» Nox A1s System cables are minimized and customized so the patient is not tethered to the bed.

» 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.

» Built-in Bluetooth® technology

» Sound from built-in microphone

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.

Nox T3s™-
Clinical Accuracy and Simplicity Combined

The Nox T3s is a powerful Type III HST that is simple to use and cost-effective with robust data collection. By combining smart technology in a single device, clinicians now have a better way to test, analyze, and treat their patients.

Scan the QR code with your mobile device and watch how the Nox T3s works

Smart, Compact, Powerful

» Advanced Nox RIP technology can be used as a primary flow measurement.

» The Nox T3s is intended for use for both pediatric and adult patients.

» 24 channels (15 Recorded Channels, 9 Derived Channels).

» Two integrated and redundant methods for recording snore.

» Two customizable bi-polar channels (ECG, EMG, EOG, EEG).

» 24 hour recording time with 1x AA Battery.

» 4GB storage capacity for multiple night studies.

» Powerful and user friendly software with auto-scoring and manual scoring.

» Chain of Custody Assurance available.

» Single patient use RIP - belts and filtered nasal cannula reduce the risk of cross-infection.

Scan the QR code with your mobile device and watch T3s video

Noxturnal Software

The Noxturnal software is a multi-functional 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. Noxturnal is provided at no charge with your Nox A1 or Nox T3 Systems and reports are flexible to modify to meet physician requirements.
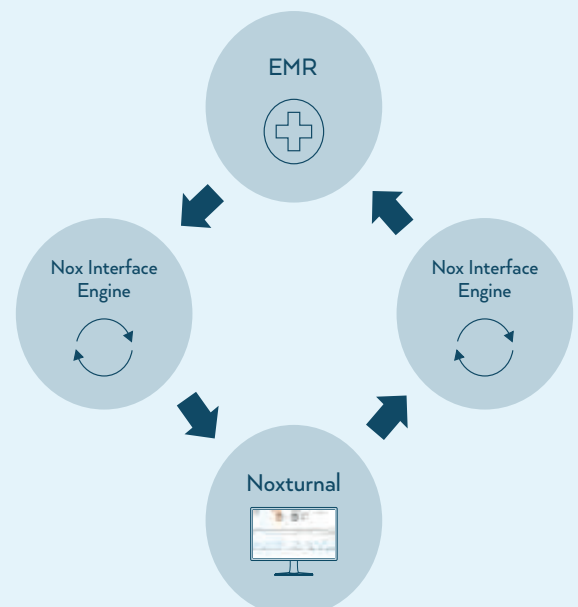

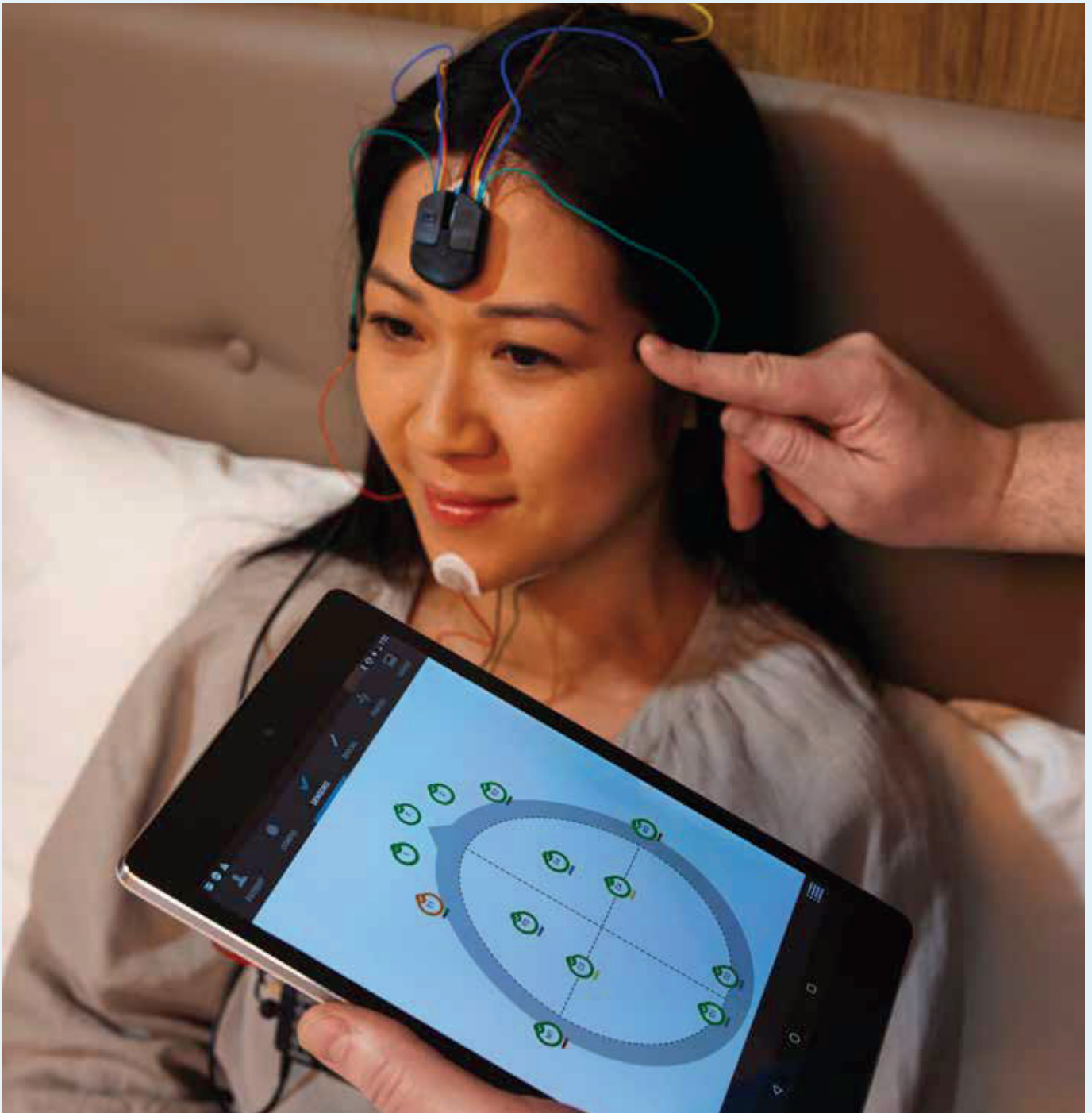## Powerful and User-Friendly Software

›› Accurate and reliable automatic scoring analysis.

›› Customizable workspace layouts and event types.

›› Single click scoring.

›› Easily customizable reports include tables, graphs, and narrative interpretation.

›› Import or export EDF format.

›› Continuous monitoring of impedances.

›› Recording results window provides.

›› A quick glance signal and result overview.

›› Single software platform runs all Nox Medical's sleep devices.

Noxturnal EMR Interface

The Noxturnal EMR Interface is a single solution for connecting all of your Nox Medical devices.

›› HL7 connection.

›› Bi-directional EMR interface.

›› PDF reports can be exported.

›› Connects to all major EMR systems.

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 tracings.

›› Runs on the Android™ platform.

›› Wireless connection to the tablet is encrypted.

Technical Specifications

Nox T3s Device and Software

Signal Specifications:	
Available Signals	Thorax and abdomen RIP, nasal pressure/mask pressure, snore signal, audio and snoring channel, 2 bipolar channels, position, activity, SpO2, pulse, plethysmography, and more.
Bipolar Channels	Touch-proof connector 1 mm keyhole connector, ±1024 mVp-p input range AC, <3 µV RMS noise, 32 bit resolution
Flow/Pressure Signal	±100 cmH2O input pressure range, DC-80Hz, 200 Hz sampling frequency, <1 mmH2O noise
Activity/Position Signals	Internal 3 axis, ±2 g
Sound Signals	8kHz sampling rate, 3.5kHz bandwidth, 16-bit ADC
Wireless Interface	Bluetooth® V5.0 low energy - wireless interface for external devices

Performance Specifications:	
Storage Capacity	4 GB
Recording Time	24 hours with 1x AA battery (new lithium battery)
PC Communications	USB 2.0 hi-speed

Physical Specifications:	
Power Source	One 1.5V AA battery during recording; Host PC USB during data download
Battery Type	Alkaline primary, lithium primary, nickel-metal hydride rechargeable (NiMH)
Battery Cover	Tamper proof and locked
Device Dimension	68 mm W x 62 mm H x 26 mm D
Weight	68 g ± 5 g without battery
Display	Type OLED—dimensions 0.75 in x 1.38 in, resolution 128 x 64 dots USB 2.0 connection - USB-mini type C
USB 2.0 Connection	USB-mini type C

Software:

Minimum PC Requirements	
	Windows 8 and higher Processor: X64 based Intel or AMD, 1.7 GHz or faster 2GB RAM, 4 GB of free disk space Resolution: 1024 x 768 or higher

Technical Specifications

Nox A1s Device and Software

Signal Specifications:	
Available Signals	Thorax and Abdomen RIP, Nasal pressure/Mask pressure, Snore Signal, Audio and snoring channel, 13 unipolar channels, 4 bipolar channels, Position, Activity, SpO2, pulse, plethysmography, and more.
Bipolar Channels	4x Bipolar Channels Keyhole connector, ±1024mV input range, < 3 μVrms noise, 512 kHz sampling rate, 24-bit ADC
Unipolar Channels	13x Unipolar Channels - Touch proof connector DIN 42-802, ±3.2mV input range < 1 μVrms noise, 512 kHz sampling rate
Flow/Pressure Signal	2x RIP Channels Thorax and abdomen respiratory inductance plethysmography, 200 Hz Sampling, 1x Flow/Pressure Channel -5cmH2O to +50cmH2O 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	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

Software:

Minimum PC Requirements	
	Windows 8.1 and higher Processor: X64 based Intel or AMD, 1.7 GHz or faster 2GB RAM, 4 GB of free disk space Resolution: 1024 x 768 or higher

Distributed by:

Nox Medical

CE 2797

Caution: US federal law restricts this device to sale by, or on the order of a licensed medical practioner

Nox Customer Service & Technical Support is second to none

Many Nox customers have come to know the unprecedented support that we provide when implementing new Nox devices and Noxturnal software. We make it simple and straightforward.

Our service is provided by highly skilled technical support specialists with years of experience in the medical device support.

Nox Medical provides 24/7 access and support by our expert staff via phone and email and can be reached at:

**844 4SLEEP6 or 844-475-3376
and support@noxmedical.com**

Our website, noxmedical.com has extensive support material for customers to access as well as detailed product information. We also offer webinars featuring best practices and industry trends.

Customized Team Training
Additionally, we at Nox provide comprehensive training and education for your team. We welcome the opportunity for you to contact us and let us know how we can meet your needs. We not only strive to provide the best and highest quality products but look forward to partnering with you now and in the future.