

nox medical

NOX T3[®]

Where experience
connects with innovation



Gold Standard

For sleep apnea detection
...and so much more



Many thousands of satisfied users,
all over the world

NOX T3 IS A RESPIRATORY PORTABLE SLEEP RECORDER WITH EXTENSIVE SIGNAL CAPABILITIES

- » Audio recording from a built in microphone
- » Abdomen and Thorax respiratory effort and derived flow from RIP technology
- » Nasal cannula flow and mask pressure
- » Body position and activity from an integrated 3D accelerometer
- » SpO₂, pulse and plethysmography from a wireless Bluetooth® enabled oximetry
- » EtCO₂ signals through Bluetooth® enabled interface
- » Two flexible bipolar channels for ECG, EOG, EEG and EMG

SOPHISTICATED TECHNOLOGY

- » Miniaturized recorder
- » Light weight
- » Integrated microphone with audio signal
- » Device display enabling real time signal check
- » 1 GB internal memory providing multiple night recordings
- » Child safe battery door
- » Standard disposable or rechargeable batteries (AA)
- » Wireless Bluetooth® enabled oximeter

DESIGNED WITH THE USERS IN MIND

- » Simplified patient hook-up through ergonomic design
- » Reduced time for patient training and hook-up
- » With more ergonomic design the risk of failed recording is reduced dramatically
- » Wireless sensors enhance the patients' comfort and do not restrain movements during the night
- » Clinical quality is a key element of the Nox T3 so medical professionals can identify the right treatment paths for their patients

Revolutionary Design

Easy hook-up

NOTICEABLE FEATURES

- » Simple step by step configuration of the Nox T3 device
- » High speed data download
- » Automatic analysis compliant with the AASM standards
- » Audio playback
- » Extensive customizable reports
- » Multiple scorings can be saved for each

For more information about the Nox T3 device and the Noxturnal software, please visit www.noxmedical.com



Ideal for
both adults
and pediatrics

The Noxturnal[®] Software

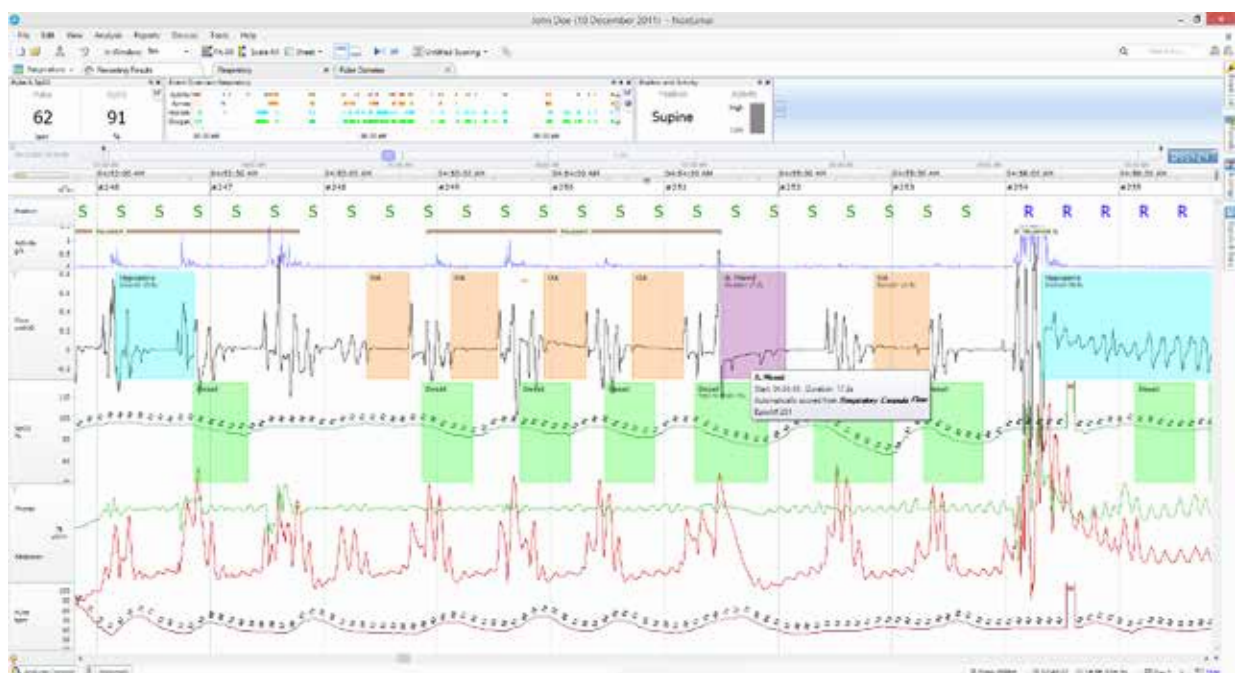
A cutting edge analysis and reporting sleep software.

A variety of accessible and user friendly features turn the day-to-day processes into an efficient workflow.

» IMMEDIATE RECORDING RESULTS WITH AUTOMATIC ANALYSIS



» FULL FEATURED RAW DATA REVIEW AND EDITING



Small, Compact and Wireless

Bluetooth® wireless technology
is the gateway to an unlimited future

By introducing the Nox T3 Portable Sleep System, Nox Medical has created a breakthrough in the portable sleep diagnostics market.

Behind the revolutionary design of Nox T3 are decades of clinical and engineering excellence. The Nox T3 was designed from a clean slate, using the latest and most sophisticated technology available. With innovative thinking, knowledge, experience and input from world leading physicians, Nox Medical has created the next generation of sleep diagnostic systems.

With thousands of Nox T3 in use worldwide, the system has quickly earned an excellent reputation. The Nox T3 has become the preferred choice of the largest home sleep testing companies in the world. Through its simple, small and elegant design this wireless sleep device will provide a uniquely positive experience for both the patient and clinician. Accompanying the device is the fully-fledged Noxturnal software, offering automatic analysis to assist clinicians, manual scoring and reporting. Noxturnal is easy to use and efficient but at the same time offers immense flexibility.

Extended Applicability

The audio recording and playback
– open new dimensions in diagnostics

PEDIATRIC

The initial design goals when developing the Nox T3 were to create a device ideal for pediatric sleep recording. The light weight and small size makes Nox T3 the perfect tool to diagnose sleep in pediatrics, not to mention the benefit of the audio recording. In addition, Noxturnal offers specific analysis of pediatric data.

BRUXISM

Nox T3 is ideal for detection of bruxism with its EMG capabilities and audio recording. The Noxturnal software offers automated bruxism analysis of both phasic and tonic events along with bruxism report.

CARDIO

The Noxturnal software offers various features to analyze ECG signals. This includes heart rate variability (HRV) analysis together with automated Cheyne-Stokes respiration/periodic breathing detection and pulse transit time (PTT) for dip calculations in arousal analysis.

PLMS

With the two bipolar channels, the Nox T3 is perfect for recording EMG signals for PLM analysis. The Noxturnal software has automatic PLM and LM detection compliant with the AASM standards.

Technical Specifications

Device:

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, EtCO2 (optional), And more
Bipolar Channels	Touch proof connector DIN 42-802, ± 8 mV input range AC, < 3 μ Vrms noise
Flow/Pressure Signal	25 cmH2O input pressure range, DC-90Hz, < 2 mmH2O noise
Activity/Position Signals	Internal 3 axis, ± 2 g
Sound Signals	Internal 3.8 kHz bandwidth, 16-bit ADC
Wireless Interface	Bluetooth® V2.0 wireless interface for external devices

Performance Specifications:

Storage Capacity	1 GB
Recording Time	Up to 24 hours including true audio recording
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, nickel-metal hydride rechargeable (NiMH), Lithium
Battery Cover	Tamper proof and locked
Device Dimension	79 mm W x 63 mm H x 21 mm D (3.11 in W x 2.48 in H x 0.83 in D)
Weight	65 grams (0.14 pounds)
Display	Type OLED—Dimensions 19 x 35 mm (0.75 x 1.38 in), resolution 128 x 64 dots
USB 2.0 Connection	USB-Mini type B

Software:

Minimum PC Requirements

Windows® Vista and higher
Processor: X86 Intel based or AMD 1.7 GHz
512MB RAM, 1 GB of free disk space
Resolution: 1024 x 768 or higher



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Distributed by:



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

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