# Gold Standard

For sleep apnea detection
...and so much more

## NOX-T3 is a respiratory portable sleep monitor 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® oximetry
- EtCO2 signals through wireless Bluetooth interface
- Two flexible bipolar channels for ECG, EOG, EEG and EMG

## Sophisticated Technology

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

## The NOX-T3 device was 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

# ≫NOX-T3
## Technical Specifications

| | |
|---|---|
| Storage capacity | 1 GB |
| Recording time | Up to 24 hours including true audio recording |
| PC communications | USB 2.0 hi-speed |
| Minimum PC Requirements | Windows XP Home, Windows XP Professional SP 2, 32 and 64 bit |
| | Processor: X86 Intel based or AMD 1.2 GHz, 512 MB RAM, 1 GB of free disk space |
| | Resolution: 1024 x 768 or higher |
| 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 |
| Recorded signals | Thorax and Abdomen RIP |
| | Nasal pressure/Mask pressure |
| | Snore signal |
| | Audio channel |
| | 2 bipolar channels |
| | Position |
| | Activity |
| | SpO2, pulse, plethysmography, signal quality |
| | EtCO2 (optional) |
| Bipolar channels | Touch proof connector DIN 42-802 ±8 mV input range AC <3 µVrms noise |
| Flow/pressure signal | 25 cmH2O input pressure range DC-90 Hz <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 |
| NOX-T3 Mechanical Specifications | |
| 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 gram (0,14 pound) |
| Display | Type OLED—Dimensions 19 x 35 mm (0.75 x 1.38 in), resolution 128 x 64 dots |
| Battery cover | Tamper proof and locked |
| USB 2.0 connection | USB-Mini type B |

*Distributed by:*

## ▪Nox Medical▪
**www.noxmedical.com**


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Visit us at DDMEOnline.com

CE 0086  *Caution: USA law restricts this device to sale by, or on the order of a licensed medical practitioner*

# NOX-T3™
## Moving into a wireless world

## ▪Nox Medical▪

## Small
## Compact
## Wireless

"*Ideal for both Adults and Pediatrics*"

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, manual scoring and reporting. Noxturnal is easy to use and efficient but at the same time offers immense flexibility.

"*The Audio Recording and Playback – opens new dimensions in diagnostics*"

## Bluetooth
is the Gateway to an unlimited **future**

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## ≫ Extended applicability

### Pediatric
The initial design goals when developing the NOX-T3 was 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 _____ pediatric data.

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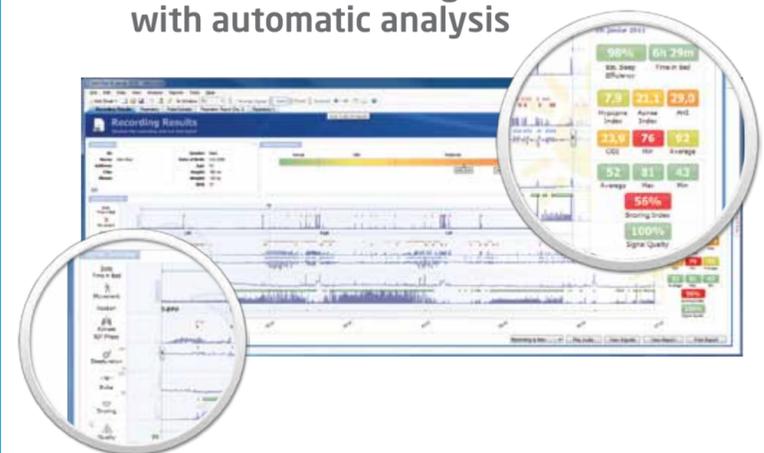
### Cardio
The Noxturnal software offers various features to analyze ECG signals. This includes heart rate variability (HRV) analysis together with automated Cheyne-Stokes respiration/periodic breathing detection and pulse transit time (PTT).

### 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.

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The **Noxturnal** software is 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

### ≫ Noticable features
- Simple step by step configuration of the NOX-T3 device
- High speed data download
- Automatic analyses compliant with the AASM standards
- Audio playback
- Extensive customizable reports
- Multiple scorings can be saved for each recording
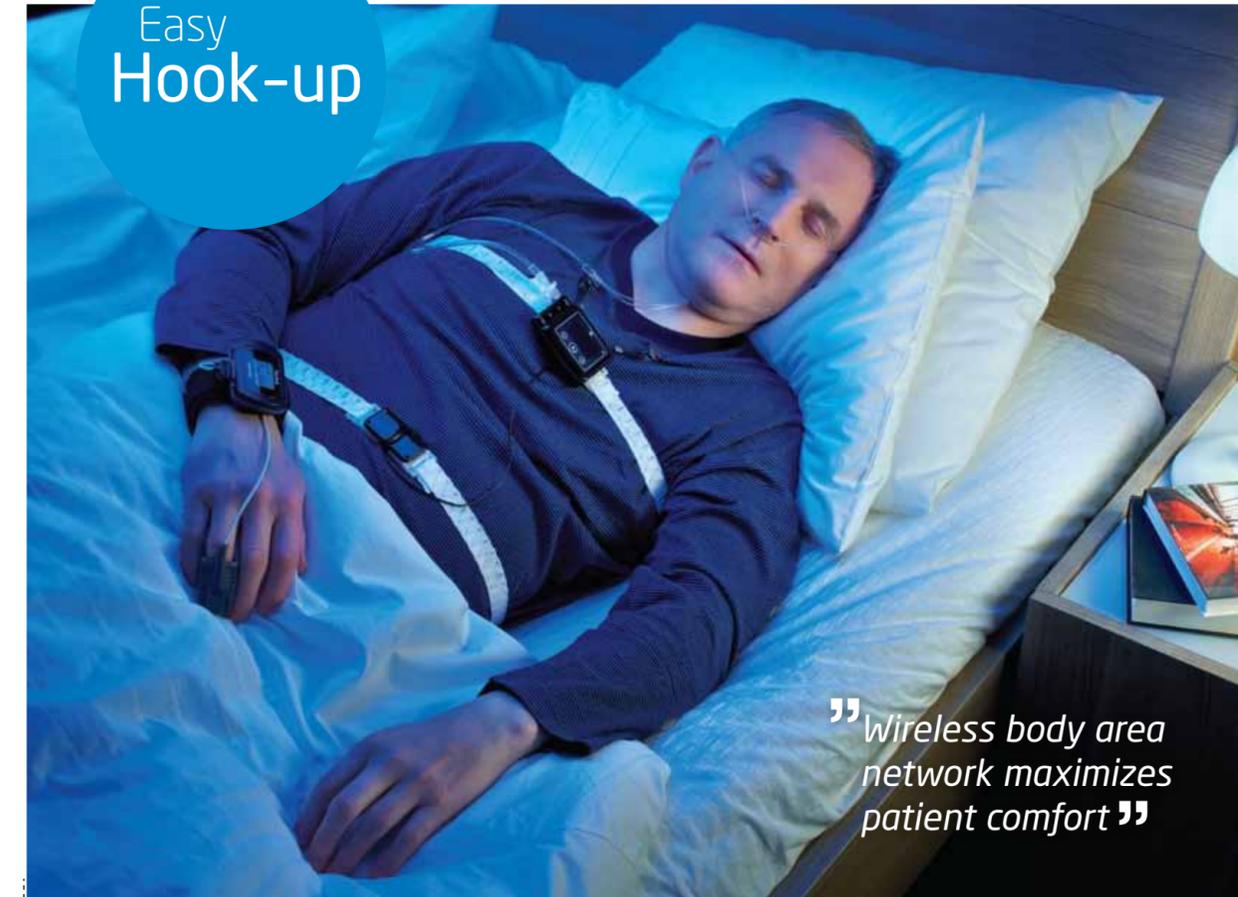- Powerfull recording management

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

## Revolutionary
## Design

## Easy
## Hook-up

"*Wireless body area network maximizes patient comfort*"