NOX-T3™

Moving into a Wireless World

Nox Medical

Gold Standard

For sleep apnea detection
...and so much more

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® 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 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® 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

"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

>> Extended Applicability

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).
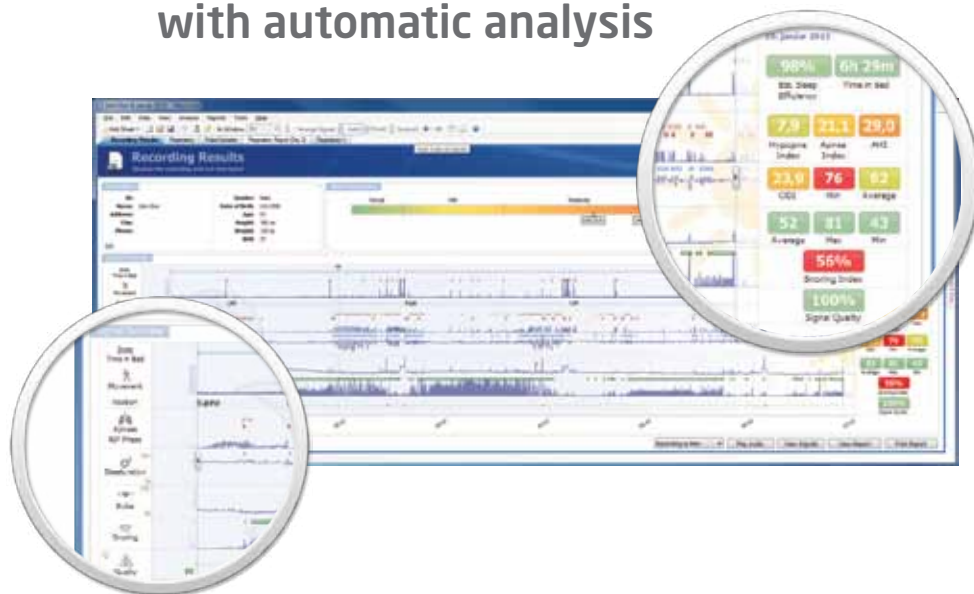
PLMS

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.
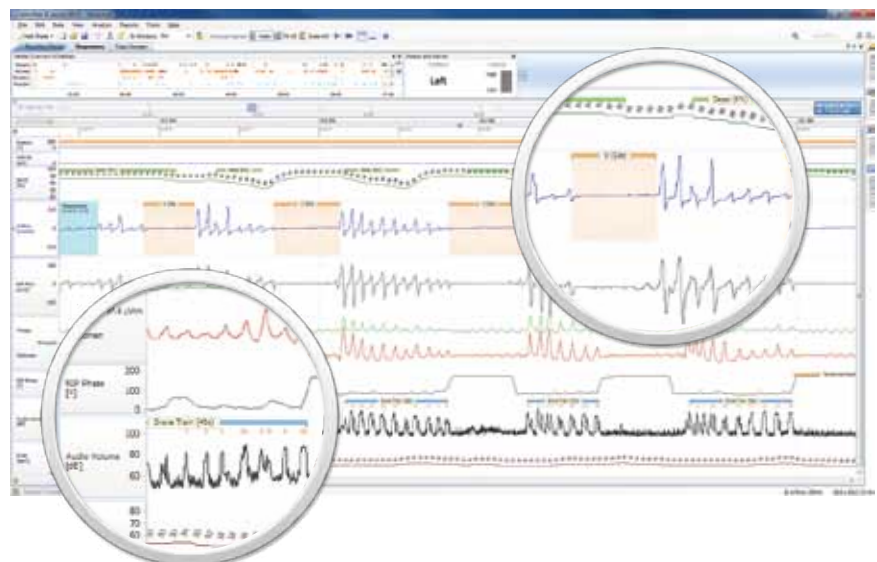
The **Noxturnal** software

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 "

≫ 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 grams (0,14 pounds)
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

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