

# Compact. Light. Wireless.

## NOX-T3™ portable sleep monitor

With the introduction of the NOX-T3™ portable sleep monitor, CareFusion has broken years of silence in the portable sleep diagnostics market. In the past you could only view the snoring signal. Today—with the audio playback feature—you can also listen to it! The NOX-T3 portable sleep monitor was designed from a clean slate. Woven into our revolutionary design are decades of clinical and engineering excellence. Through its simple, small and light design, this wireless sleep monitor will provide a uniquely positive experience for both the patient and clinician.



The NOX-T3 portable sleep monitor maximizes patient comfort and clinical value.

## Convincing technology

- Wireless Bluetooth oximeter
- Miniaturized technology: 88 gram (0.19 lb) with battery / 79 x 63 x 21 mm (3.11" x 2.48" x 0.83")
- Thorax and abdomen RIP effort + RIP flow – RIP phase for paradoxical breathing
- Integrated snore microphone with true audio signal
- Gold standard PSG signals
- Check waveforms real time
- No accessible connectors / child safety battery door

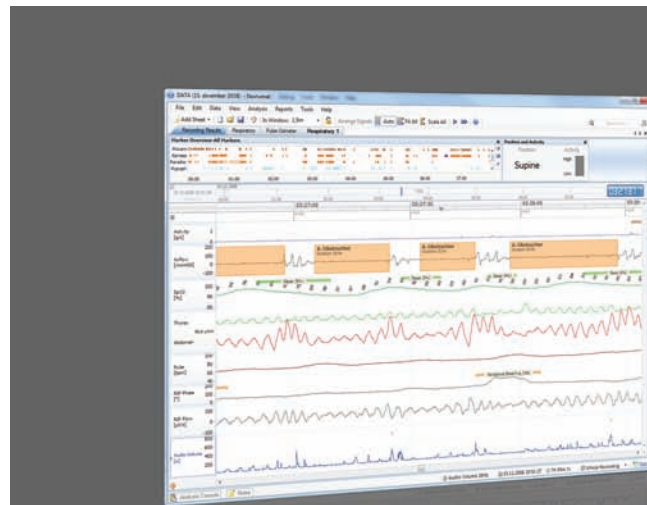
## Everything a sleep monitor needs

- Full featured type 3 device / type 4 size and complexity
- Redundant flow signal through RIP effort, nasal cannula and CPAP check
- Pulse transit time / sleep time
- Wireless signals: SpO<sub>2</sub>, pulse, snore, body position
- Standard disposable or rechargeable batteries (AA)
- Intuitive analysis and reporting software
- Extended applicability: pediatric, dental, cardiologist and ENT patients

## Smooth workflow, smooth operation

A variety of common sense features were designed into both the NOX-T3 portable sleep monitor and NOXtural software, turning the day-to-day processes into an efficient workflow.

- Simple patient hookup
- Fast data download
- Auto signal and report processing
- Immediate study results
- Extensive review possibilities
- Configurable data management



Screenshot of NOXtural patient data



Instant study results

In the past you could only view the snoring signal. Today—with the audio playback feature—you can also listen to it!




### NOX-T3 portable sleep monitor


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)
Internal signals	Thorax and Abdomen RIP Respiratory effort + RIP flow Flow pressure/CPAP pressure Snore signal Audio recording channel 2x bipolar channels (EMG, ECG, EEG, etc.) BPOS position Actigraphy
Bipolar signals	Touch proof connector DIN 42-802 $\pm 8$ mV input range AC $< 3$ $\mu$ Vrms noise
Flow/pressure signal	Stainless steel, 5 mm pressure seal connector 25 cmH <sub>2</sub> O input pressure range DC-90 Hz $< 2$ mm H <sub>2</sub> O rms noise
RIP signals	Two channels, 4.5 mm (0.18") metal snaps
Actigraphy/position signals	Internal 3 axis, $\pm 6$ g
Sound signals	Internal 3.8 kHz bandwidth, 16-bit ADC
Wireless external signals	SpO <sub>2</sub> , pulse, plethysmograph, SpO <sub>2</sub> signal quality
Wireless interface	Bluetooth V2.0 wireless interface with Nonin oximeter Nonin RespSense EtCO <sub>2</sub> (optional)



### Mechanical specifications

Device dimension	79 mm (3.11") W 63 mm (2.48") H 21 mm (0.83") D
Weight	65 gram (0.14 lb) 88 gram (0.19 lb) with battery
Display	Type OLED, Dimensions 19 x 35 mm (0.75 x 1.38")
Resolution	128 x 64 dots
Battery size	Standard AA
Battery cover	Tamper proof and locked
USB 2.0 connection	USB-Mini type B

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