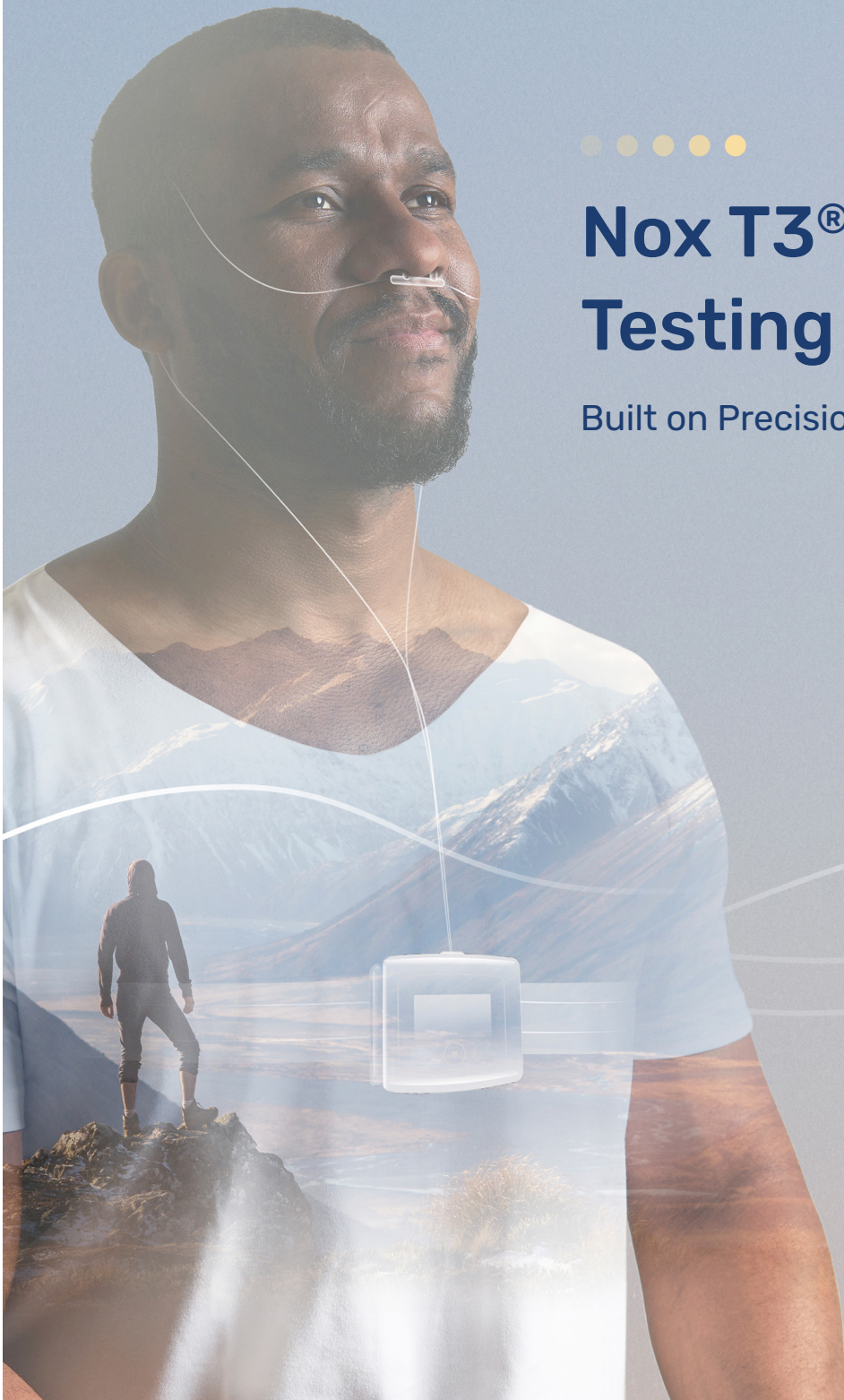




# Nox T3<sup>®</sup> Home Sleep Testing System

Built on Precision. Powered by Physiology





# Accurate Home Sleep Testing for Every Patient

**The Nox T3 system delivers physiologically grounded data to support confident diagnosis and personalized care**

The Nox T3® is a clinically trusted home sleep testing system (HSAT) that delivers real respiratory flow data. Designed for simplicity, reliability, and clinical depth, it equips sleep professionals with the actionable insights needed to diagnose with confidence and care for a broader, more diverse patient population.

- » **Built on real respiratory flow measurement**, Nox Flow™<sup>1</sup>, using patented Nox RIP technology
- » **Engineered for accuracy across diverse populations**, including women, younger individuals, and those with chronic or comorbid conditions
- » **AI-powered insights** from Nox AI Scoring<sup>2</sup>, accessed through Nox Connect platform and used with the Nox T3, elevate HSAT accuracy and strengthen diagnostic confidence across a wider range of patient populations
- » **Clinically proven in studies** on patients with cardiovascular disease, COPD, stroke, and more



<sup>1</sup> Nox Flow is a calibrated RIP flow signal from Nox Medical devices.

<sup>2</sup> Nox AI Scoring includes AI algorithm part of FDA cleared software medical device DeepResp K241960. The Nox Connect is not a medical device. It serves as an interface with Nox Medical devices that meet the necessary regulatory requirements for legal sale in applicable jurisdictions.

# One System. Complete Clinical Insight

**Together, Nox T3s device, Nox Flow™, and AI-assisted tools deliver accurate, precision-focused sleep diagnostics**

The Nox T3 system combines the latest Nox T3s device hardware, RIP-based flow and effort monitoring, and AI-driven software to deliver a unified, comprehensive home sleep testing solution. This integrated system equips clinicians with physiologically grounded data that supports conclusive diagnosis and confident decision-making across diverse patient populations and care settings.

The Nox T3 system supports both standard Type III studies and advanced setups with optional ECG and EMG channels for cardiac monitoring, PLM detection, and bruxism-related event detection.

## Comprehensive Signal Capture:

- » Real respiratory flow channels using calibrated RIP
- » Body position and 3-axis actigraphy
- » SpO<sub>2</sub>, pulse, and plethysmography
- » Dual integrated snoring detection
- » Total Sleep Time available
- » Audio recording for additional clinical context
- » 24 channels (15 recorded, 9 derived)
- » Two customizable bipolar channels for ECG, EMG, EOG, or EEG

## Advanced Respiratory Monitoring:

- » Nox Flow™, industry-leading calibrated respiratory inductance plethysmography (RIP) flow signal insensitive to mouth breathing
- » Patented single-patient use RIP belts ensure signal quality and hygiene

## Customizable Sleep Software:

- » Web-based scoring available through Nox Connect platform<sup>4</sup>
- » Full-featured raw data analysis and scoring
- » Accurate and reliable automatic scoring analysis
- » Easily customizable reports include tables, graphs, and narrative interpretation

## Intelligent AI Analysis:

- » Sleep staging and arousal detection with Nox BodySleep™, available through Nox Connect—no EEG required
- » Validated across diverse demographics
- » Built to enhance HSAT diagnostic confidence
- » Supports more conclusive HSAT

## Clinical Efficiency:

- » Compact, portable, and user-friendly design
- » 24-hour recording via 1x AA battery
- » Chain of Custody Assurance
- » Pediatric-ready for patients 2 years and older
- » Clinically proven low failure rate<sup>3</sup>



**QR Code:** Nox T3s Technical Specifications: <https://noxmedical.com/technical-specifications-t3s/>

<sup>3</sup> Cairns et al. Sleep Breath. 2014 Sep;18(3):609-14. doi: 10.1007/s11325-013-0924-2. Epub 2014 Jan 19. PMID: 24442914.  
<sup>4</sup> Noxturnal Web is a medical device cleared for clinical use by the FDA

# Diagnostic Confidence for All Patients

## Delivering the data that matters, across patients and risk groups

Clinical studies show that AHI values manually scored from Nox T3 data closely match those from in-lab polysomnography (PSG), confirming high sensitivity and specificity in assessing OSA severity<sup>5,6,7,8</sup> offering clinicians the confidence to rely on home-based testing.

That confidence starts with **real airflow**. The Nox T3, powered by Nox Flow, patented RIP technology, captures the true mechanics of breathing.

- » **Nox Flow™**: Real respiratory airflow through calibrated Nox RIP technology that performs on par with pneumotachography<sup>9,10</sup>
- » **Designed for all patients**: The Nox T3 has no contraindications in intended use
- » **Proven across populations**: Reliable accuracy in patients with cardiovascular, neurologic, or multi-morbid conditions



5 Chang et al. J Clin Sleep Med. 2019;15(4):587–596. <https://doi.org/10.5664/jcsm.7720>

6 Wang et al. J Clin Sleep Med. Published online July 24, 2023;jcsm.10726. doi:10.5664/jcsm.10726

7 Cairns et al. Sleep. 2013;36:A416.

8 Ding et al. Front Neurol. 2023;14). doi:10.3389/fneur.2023.1137535

9 Finnsson et al. Poster presented at: World Sleep 2019; Vancouver, Canada.

10 Finnsson et al. Sleep Med. 2019;64(suppl 1):S115–S116.

# Artificial Intelligence That Drives Clinical Confidence

When Nox T3 home sleep tests are paired with advanced AI, interpretation becomes clearer and more clinically meaningful

## Nox AI Scoring

Nox AI Scoring, available through the Nox Connect platform, includes Nox BodySleep—enabling accurate sleep staging and arousal detection using respiratory data from Nox RIP belts, with no EEG required<sup>11</sup>. This enhances HSAT interpretation across diverse populations, including women, younger individuals, and non-obese patients, improving diagnostic confidence.

Additional AI tools, available in Noxturnal Web on the Nox Connect platform — Such as OSA Endotyping, Hypoxic Burden, and Ventilatory Burden provide deeper, data-driven insights.

### Scoring

Recorded Hours	Hours in Sleep	Sleep Efficiency	AHI	ODI	Pulse Min	Pulse Max	SpO2 Min	Arousal Index
07:09	05:33	78%	55.7	55.7	67	112	89%	36

	Duration	Percentage
Wake	95.5 m	18.7%
REM	24.9 m	5.9%
NREM	309.0 m	75.5%



Nox AI Scoring gives clinicians nearly five times<sup>12</sup> better discrimination in telling true cases of mild sleep apnea from false ones—offering clearer answers and greater confidence than other non-airflow home tests<sup>13</sup>

<sup>11</sup> Finnsson et al. Sleep Breath 29, 155 (2025). DOI: 10.1007/s11325-025-03325-z

<sup>12</sup> Accuracy: 92.5% AHI  $\geq 5$  and 84.7% AHI  $\geq 15$ . Validation data referenced from FDA 510(k) application K241960 (DeepRESP) submitted by Nox Medical, 2024.

<sup>13</sup> Iftikhar et al. J Clin Sleep Med 18, 1093 (2022). DOI: 10.5664/jcsm.9808.

# Nox Home Sleep Testing Service

## Diagnostic Accuracy and Precision. On Demand

Expand access to sleep diagnostics while maintaining the accuracy and clinical integrity your practice depends on. Built on the trusted Nox T3 system, the Nox Home Sleep Testing Service<sup>14</sup> supports both operational efficiency and scalable growth.

### What we deliver:

- » Accurate diagnostics with the Nox T3 and available AI-assisted scoring
- » End-to-end logistics management, including scheduling, device delivery, and patient support
- » Pre-configured kits and clear patient instructions for fast, frictionless setup
- » Secure data transfer for clinical review
- » Scalable infrastructure to expand services across diverse patient populations and locations
- » Reduced administrative burden so your team can stay focused on care—not coordination

14 Nox Home Sleep Testing Service is currently available only in the United States.

## Nox Home Sleep Testing Service









The Nox T3s recorder is intended for ambulatory recording of physiological signals during sleep. The recorded signals are then downloaded to a PC where the signals can be viewed and analyzed by use of the Nox T3s application (Noxturnal US). The Nox T3s recorder is intended for patients greater than 2 years of age. The intended environments are hospitals, institutions, sleep centers, sleep clinics, or other test environments, including the patient's home.

**Contraindications** The Nox T3s recorder is NOT intended for any patient monitoring or automatic diagnosis.

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

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