

■ ■ ■ Made in Germany

IDENTIFY SLEEP DISORDERS WITH CLARITY

OPTIMIZE THE DIAGNOSTIC PROCESS

Objective Sleep Data for Diagnosis, Treatment & Monitoring-
Ambulatory, Patient-Focused, flexibly billable

NEW:
AI-powered
insights
instantly -
just one click
away



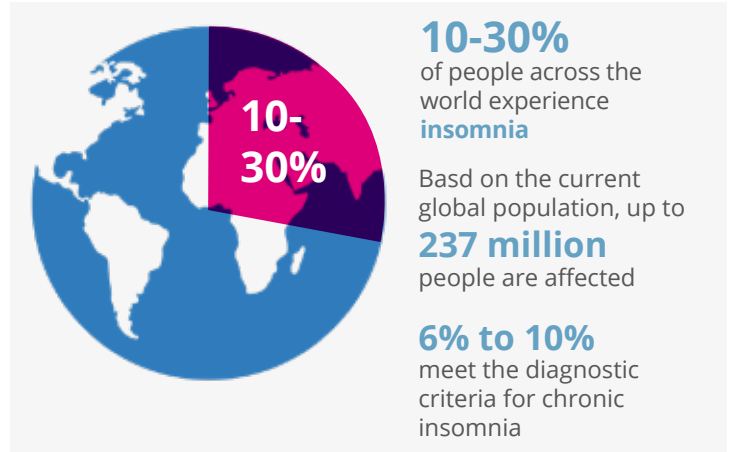
INSOMNIA – A VERY COMMON CONDITION

Sleep disorders, such as insomnia, are a very common condition. Difficulty falling or staying asleep, waking up early in the morning, frequent night-time awakenings or morning fatigue can significantly impair mood, resilience and cognitive performance.

Current research highlights the significant impact of sleep disturbances. Nevertheless, assessments in everyday clinical practice are usually based on **subjective reports – objective methods for detailed assessment**, particularly in cases of insomnia, have been lacking until now. As a result, patterns, disturbances and correlations often remain hidden.

Objective sleep data provide clarity:

They reveal hidden patterns and provide your diagnosis with an evidence-based foundation.



Source:
Sleep Medicine Reviews, Volume 82, August 2025, 102121 and
Journal of Family Medicine and Primary Care

ACHIEVE OBJECTIVE SLEEP DIAGNOSTICS WITH THE HomeSleepTest

The HomeSleepTest is an easy-to-use screening tool for sleep analysis in the home setting. Over several nights, it provides **objective and valid sleep data** – providing a reliable complement to clinical assessment. Already established in **numerous practices**, the HomeSleepTest has proven effective in everyday care.

Using EEG, EOG, and EMG, the HomeSleepTest accurately records deep, light, and REM sleep, as well as arousals. Additional parameters such as snoring, head position, head movement, and ambient light allow for a detailed assessment of time in bed (TiB).

Key Sleep Metrics

Parameters for diagnosis and therapy (including):

- Sleep efficiency (%)
- Sleep onset and REM latency (minutes)
- Sleep fragmentation
- Sleep stages (% / minutes)
- WASO (Wake After Sleep Onset, minutes)



AI-Powered Sleep Stage Analysis – Instant, Effortless, and Workflow-Optimized

Save up to 30 minutes per assessment

11 Physiological Signals for Precise Sleep Stage Determination:



3 × EEG signals
Frontopolar placement Fz



2 × EOG
Eye movement left / right



EMG
Muscle tone



Impedance, continuous
Signal quality monitoring



Sound – Microphone
Detection of snoring



Position
Head position



Activity
Head movement

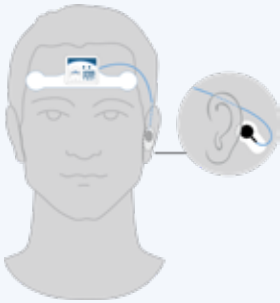


Light
Time in bed (TiB)

THE HomeSleepTest: TWO APPLICATIONS, ONE SOLUTION

Consistent Results, No Matter Which System You Choose:

Signals, measurement process, and analysis remain the same – ensuring comparable, valid sleep data.

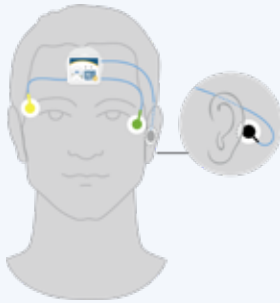


Easy to Use

Innovative EEG/EOG and EMG combination electrode

Especially safe and simple application with **just one frontal** and **one mastoid electrode**

HomeSleepTest



Precise Placement

Suitable for all head sizes

Flexible EOG placement thanks to four **separate single-use adhesive electrodes**

HomeSleepTest REM+

EXPAND YOUR SLEEP SCREENING – WITH MEANINGFUL DATA FOR OSAS DIAGNOSTICS

The **O_{two} Fellow** enhances the HomeSleepTest by adding cardio-respiratory parameters and expanding sleep analysis with integrated oximetry screening.



Gain valuable insights into:

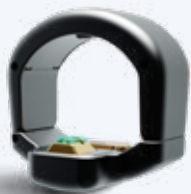
- **Sleep-related breathing disorders**, such as OSAS (Obstructive Sleep Apnea Syndrome)
- **Cardiovascular conditions**, through assessment of nocturnal heart rate fluctuations (NHRF) and nocturnal dipping
- **Cardiovascular risk**, via evaluation of the Oxygen Desaturation Index (ODI) and hypoxic burden



Targeted Differential Diagnosis

Distinguishes between respiratory-related sleep disorders (e.g., OSAS) and neurological or psychiatric causes such as insomnia

6 Signals for Expanded Diagnostics:



Oxygen saturation (SpO₂, %)
Desaturations, Oxygen Desaturation Index (ODI), baseline SpO₂



Heart rate (HR, bpm)
Nocturnal HR fluctuations, dipping (nighttime decline), bradycardia / tachycardia



Plethysmogramm
Autonomic Arousal



Position
Determination of time in bed (TIB) and total sleep time (TST)

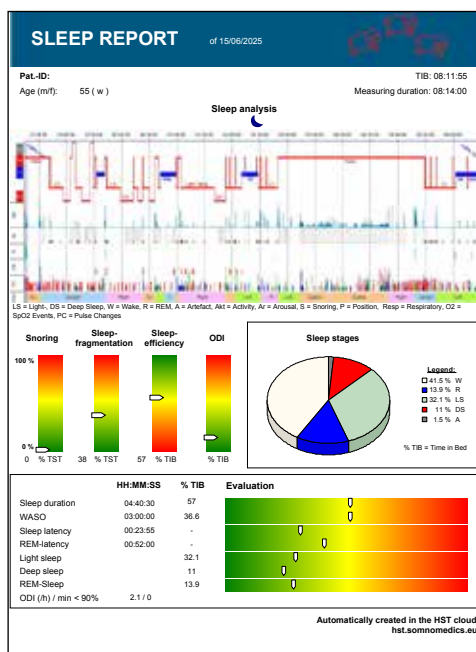


Aktivität
Sleep-wake detection, TIB, TST



Snoring
Episodic snoring (%)

FROM MEASUREMENT TO REPORT – IN JUST MINUTES



Measurement Overview Report:
HomeSleepTest + O_{two}Fellow

After completing the measurement, the data is automatically transferred from the tablet to a password-protected cloud and can optionally be pre-analyzed using AI.

Clear Results – Instantly Available

- Sleep profile analysis, either manual or AI-assisted
- Automatic report generation
- Overview report for a quick summary
- Customizable detailed report for comprehensive documentation

Your Advantage

- Traffic-light system for fast clinical interpretation of results
- Objective, structured sleep profile for informed diagnostics
- Efficient workflow with fast, secure results

AI-POWERED SLEEP ANALYSIS – IMMEDIATE RESULTS

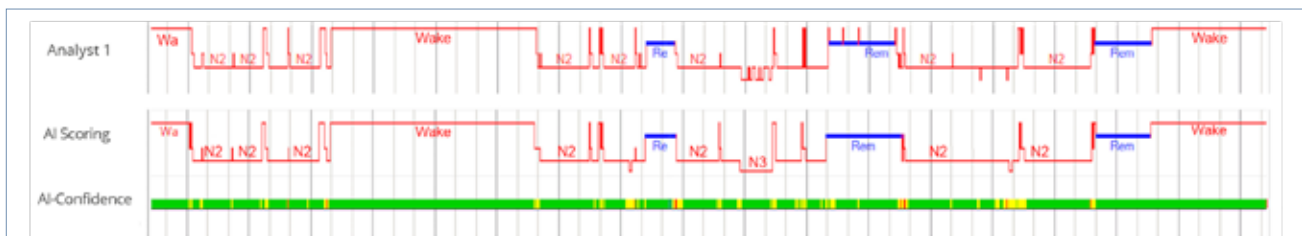
Your Advantage

- **Maximum Efficiency:** Complete sleep analysis instantly – at the push of a button (instead of ~30 minutes with manual evaluation)
- **Safe:** clinically validated AI with **color-coded confidence scoring**
- **Risk-Free:** Charges are applied only when the recording meets minimum quality and duration criteria.

Recording duration > 4 hours, AI confidence > 70% and measurement contains at least 1 hour of sleep

Maximize Practice Efficiency:

Analysis is ready and complete as soon as the patient returns the system.



Side-by-Side: Expert Analysis vs. AI-Powered Analysis with Confidence Scoring

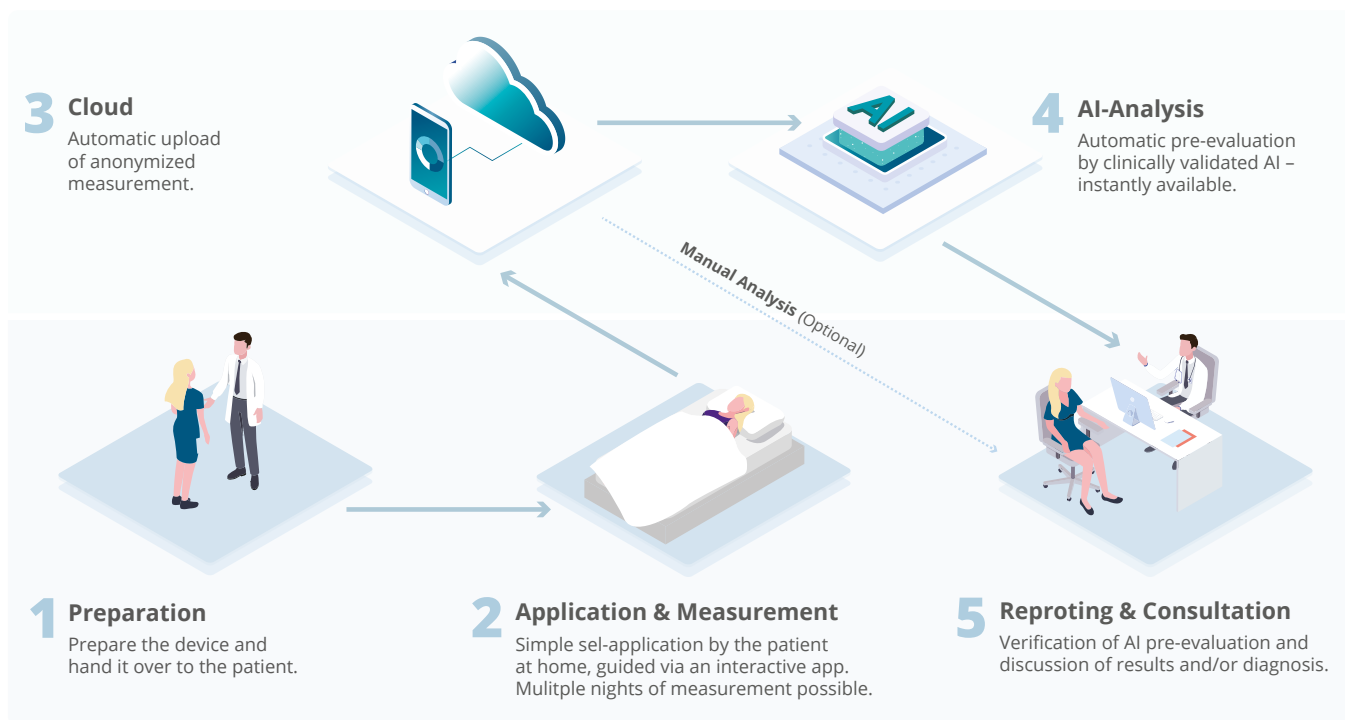
Looking for More Information?

Learn more about technical specifications, recording settings, what's included, and billing options for the Home Sleep Test on our website.



OBJECTIVE SLEEP ANALYSIS - EFFORTLESSLY FITS INTO YOUR DAILY PRACTICE

The HomeSleepTest fits seamlessly into your practice workflow – from patient guidance to fast, reliable result analysis.



FULL FLEXIBILITY – OPTIONS FOR YOUR PRACTICE

Select the Perfect Model for Your Practice – Flexible, Efficient, and Completely Risk-Free:




Your pay-per-use options	MEASUREMENT + OWN ANALYSIS	MEASUREMENT + AI ANALYSIS
Perform the measurement & store the data securely in the cloud	✓	✓
Automatic analysis available	—	✓ AI-powered sleep stage analysis
Includes verification and reporting	—	—
Speed of sleep staging	Prepared by the physician – takes about 30 minutes	Ready instantly
Minimizes effort for your practice staff	—	✓ Reduces analysis time ~by 30 minutes
PERFECT FOR		
	Professionals with sleep diagnostics knowledge	Practices where the time for analysis is limited

Find out more:
Contact our **international sales team** for full details on pay-per-use options and exclusive bundle packages.



PRODUCT COMPARISON

HomeSleepTest, HomeSleepTest REM+ & O_{two} Fellow

	BASIC	FOCUS	EXTENDED
			
	HomeSleepTest	HomeSleepTest REM+	HomeSleepTest / REM+ & O_{two} Fellow
Recorded Channels	11 3 EEG, 2 EOG, 1 EMG, Impedance, Snoring, Position, Activity, Light	11 3 EEG, 2 EOG, 1 EMG, Impedance, Snoring, Position, Activity, Light	14 3 EEG, 2 EOG, 1 EMG, Impedance, Snoring, SpO ₂ , Pleth, Heart Rate, Position, Activity Light
Electrode Placement	Preconfigured & Easy to Apply 3-point forehead electrode with 1 reference (M1)	Preconfigured & Simple: 3-point forehead electrode with 1 reference (M1)	System-Dependent* 3 electrodes + 1 reference (M1) with finger sensor application
Sleep Stage / Fragmentation, WASO (Wake After Sleep Onset), Arousal	✓	✓	✓
OSAS Differentiation	✗	✗	✓
Oximetry Screening	✗	✗	✓
Home Use	✓	✓	✓
Patient Application (tablet-guided)	✓	✓	✓
Consumable Cost per Measurement	\$\$	\$	\$\$/ \$
Multiple Measurements, Direct Doctor-Patient Communication	✓	✓	✓
Cloud-Based Analysis / Data Instantly Available	✓	✓	✓
	Recommended: Maximize efficiency with DOMINO-AI sleep stage analysis		AI evaluation is available exclusively for sleep stages (HST data)

*Refers to HomeSleepTest or HomeSleepTest REM+



Request a quote

Aks for Demo Device at your Distributor

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