## Adaptive sensor configuration

Bittium Respiro™ adapts to varying clinical measurement needs with three different sensor configurations, providing flexibility to accommodate diverse clinical workflows and data requirements. It supports both simple and quick diagnostic assessments, as well as more extensive data acquisition for in-depth analysis.

### Configuration Options

| | 1 RIP Belt | 2 RIP Belts | 2 RIP Belts and ECG |
|---|---|---|---|
| Nasal Cannula for Airflow | ✓ | ✓ | ✓ |
| RIP belt for Thoracic Respiratory Effort | ✓ | ✓ | ✓ |
| Wireless pulse oximeter for Pulse and SpO2 | ✓ | ✓ | ✓ |
| Accelerometer for Activity and Body Position | ✓ | ✓ | ✓ |
| Microphone for Snoring | ✓ | ✓ | ✓ |
| RIP Belt for Respiratory Effort from Abdomen | | ✓ | ✓ |
| Enhanced 1-CH patch electrode for ECG | | | ✓ |

Bittium
MEDICAL

## Bittium Medical

At Bittium Medical, reliable data is the starting point for better care.

We combine decades of expertise in biosignal measurement with patient-friendly devices, advanced analysis software, and secure cloud-based services for cardiac and sleep apnea diagnostics.

By bringing diagnostics closer to the patient and supporting efficient clinical workflows, we help healthcare professionals make more confident decisions and deliver better care.

FOR MORE INFORMATION

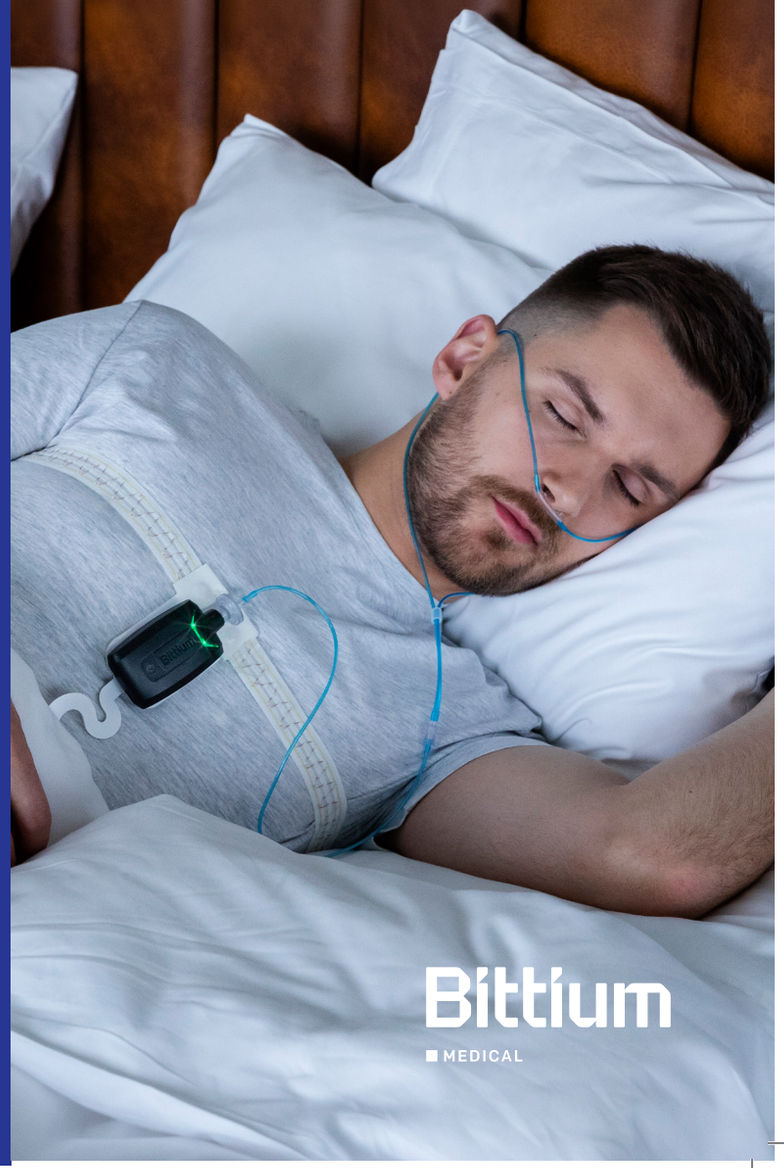
medical@bittium.com
www.bittium.com/medical

CE 0537 CE

© 2026 Bittium. All rights reserved. Bittium_sleep_apnea_brochure_1.0_2026-01-10

# BITTIUM SLEEP APNEA

Trusted signals.
Confident decisions.



Bittium
MEDICAL

# A complete solution for Home Sleep Apnea Testing

Bittium Respiro™ together with Bittium Respiro Analyst™ provide an MDR-certified end-to-end Home Sleep Apnea Testing (HSAT) solution for healthcare professionals.

Bittium Respiro™ is an easy-to-use HSAT device designed to record standard physiological signals for the assessment of sleep-disordered breathing. Together with Bittium Respiro Analyst™ software, the solution supports the complete HSAT workflow—from data acquisition and analysis to clinical review and reporting.

The dedicated analysis software facilitates the identification and analysis of common sleep-disordered breathing events, including obstructive, central, and mixed apneas, as well as hypopneas. Analysis and clinical review are supported by widely accepted methods, including AASM scoring rules, helping healthcare professionals efficiently evaluate HSAT recordings.

# One Platform. Multiple Applications.

## BITTIUM RESPIRO ANALYST™

A flexible, web-based solution for respiratory polygraphy analysis. Review recordings efficiently, refine automated event scoring and create clinician-ready reports.

- Automated detection of respiratory events, oxygen desaturations and snoring.
- Raw signal review with a customizable channel layout.
- Manual scoring and editing of detected events.
- Automatic calculation of analysis indices.
- Seamless transition from analysis to statement writing and reporting.

## BITTIUM MEDICALSUITE™

*Remote Diagnostic Service*

A secure platform for collaborative remote diagnostics and clinical workflows.

**Healthcare Providers** → **Service Providers** → **Diagnostic Specialists**

# Key benefits & features

### Remote analysis capabilities

Enables sleep study analysis anytime, anywhere with advanced cloud-based analysis software designed for sleep specialists. A modern, scalable solution supports efficient and flexible sleep diagnostics.

### Ease of use

A single-button control and compact design make HSAT easy to perform, enhance patient comfort and support a more natural sleep experience.

### Flexible recording options

Adapts to varying clinical measurement needs through three different sensor configurations, supporting applications from quick diagnostic assessments to more extensive data acquisition and analysis.

### Compliant with established standards

Built on standards and widely accepted methods, including the rules and recommendations of the American Academy of Sleep Medicine (AASM), the solution delivers trusted physiological signals and supports confident clinical decisions.