

The Future of Analyzing Sleep-related Breathing Disorders

Bittium Respiro™ is a reliable Type III Home Sleep Apnea Testing (HSAT) solution intended for service providers, hospitals, clinics, and health centers.

It records standard PG-level data, and our software assists in the analysis of typical sleep-related breathing disorders, such as obstructive sleep apnea, central sleep apnea, mixed sleep apnea, and hypopneas.

Ease-of-Use with One Button Control

Small size, wireless connectivity and one button control make the device easy and comfortable to use for the patients. It adapts to varying measurement needs from quick analysis to more extensive measurement and analysis.



Bittium

Connectivity to be trusted.

Bittium is a trusted Nordic company with over 30 years of expertise in advanced biosignal processing. Bittium provides medical technology products and solutions in biosignal measuring in the areas of cardiology, neurophysiology & neuroscience, and home sleep apnea testing. The products meet European Union medical CE requirements and the Bittium Faros series is also FDA 510k cleared.

Medical Products

Home Sleep Apnea Testing

Bittium Respiro™**

Bittium Medical Suite Platform™ with Bittium Respiro Analyst™ Software*

Cardiology

Bittium Faros™ 180

Bittium Faros™ 360

Bittium Cardiac Navigator™ Software

Neurophysiology and Neuroscience

Bittium BrainStatus™

Bittium NeurOne™

MedicalSuite™ Service Products

Bittium Respiro™

Bittium Holter™**

Bittium HolterPlus™**

**Respiro device and Respiro Analyst are CE-certified. CE0537 (Class IIa). Not available in the US. US FDA clearance in-progress.*

***A system that utilizes CE certified Bittium Faros™ and Bittium Cardiac Navigator™ products.*

FOR MORE INFORMATION, PLEASE CONTACT:

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Home Sleep Apnea Testing Empowered with AI

Bittium Respiro™

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Adaptive Sensor Configuration

Bittium Respiro™ supports different business models and adapts to varying measurement needs. For example, it is suitable for clinics making quick analyses, where the cost of one measurement is an important factor. A more extensive measurement provides sleep specialists with more biosignals for demanding analysis.

Enhanced multi-sensor connectivity technology



Using the Product – 3 Configuration Options

	Configuration 1	Configuration 2	Configuration 3
Nasal Cannula for Airflow	✓	✓	✓
Respiratory Effort Belt	✓		
2 pcs Respiratory Effort Belts		✓	✓
Wireless Pulse Oximeter for Heart Rate and SpO2	✓	✓	✓
Accelerometer for Body Position	✓	✓	✓
Microphone for Snoring	✓	✓	✓
ECG Patch Electrode			✓

Fast and Easy Cloud Analysis

Bittium MedicalSuite™ is a cloud-based remote service platform that fosters secure information exchange among service providers, clinics, and physicians, promoting enhanced collaborative care.

Bittium's MedicalSuite™ platform includes our **Respiro Analyst™** software, a web-based application that leverages artificial intelligence to expedite data analysis. The web-based Bittium MedicalSuite™ service platform offers capabilities for monitoring patients remotely and share the recorded data with all key stakeholders. Analysis and diagnostics services can be offered remotely by sleep specialists from one digital channel to several locations. This reduces the need for hospital visits and enables better collaborative care.

Data security is always a top priority. The data storage is compliant with the EU General Data Protection Regulation (GDPR) and the local data protection laws. The data is stored in an encrypted disc on secure cloud server located in Europe, accessible only by authorised users.



Key Benefits & Features

Cost-Efficient and Versatile

Seamlessly adapts to your measurement needs, whether for quick analyses or more comprehensive assessments, delivering exceptional value every time.



Ease of Use

Small size and one-button control make the device easy and comfortable for patients performing home sleep apnea tests.



Modern Solution

The device and cloud service form a modern scalable solution based on latest technology.



Measurement Reliability

Enhanced technology and configurable sensor solution allows for a tailored experience.

Location Independent Analysis Work

Experience expert remote analysis with our state-of-the-art cloud-based program, designed specifically for sleep specialists.



AI-Empowered

Measurement data is pre-analysed by utilizing Artificial Intelligence to accelerate analysis work.



Excellent Anatomical Fit

Designed with a small footprint to maximize patient comfort and create a more natural sleep experience.



Standards Compliant

The solution is based on standards and widely accepted methods, including American Academy of Sleep Medicine (AASM) rules.