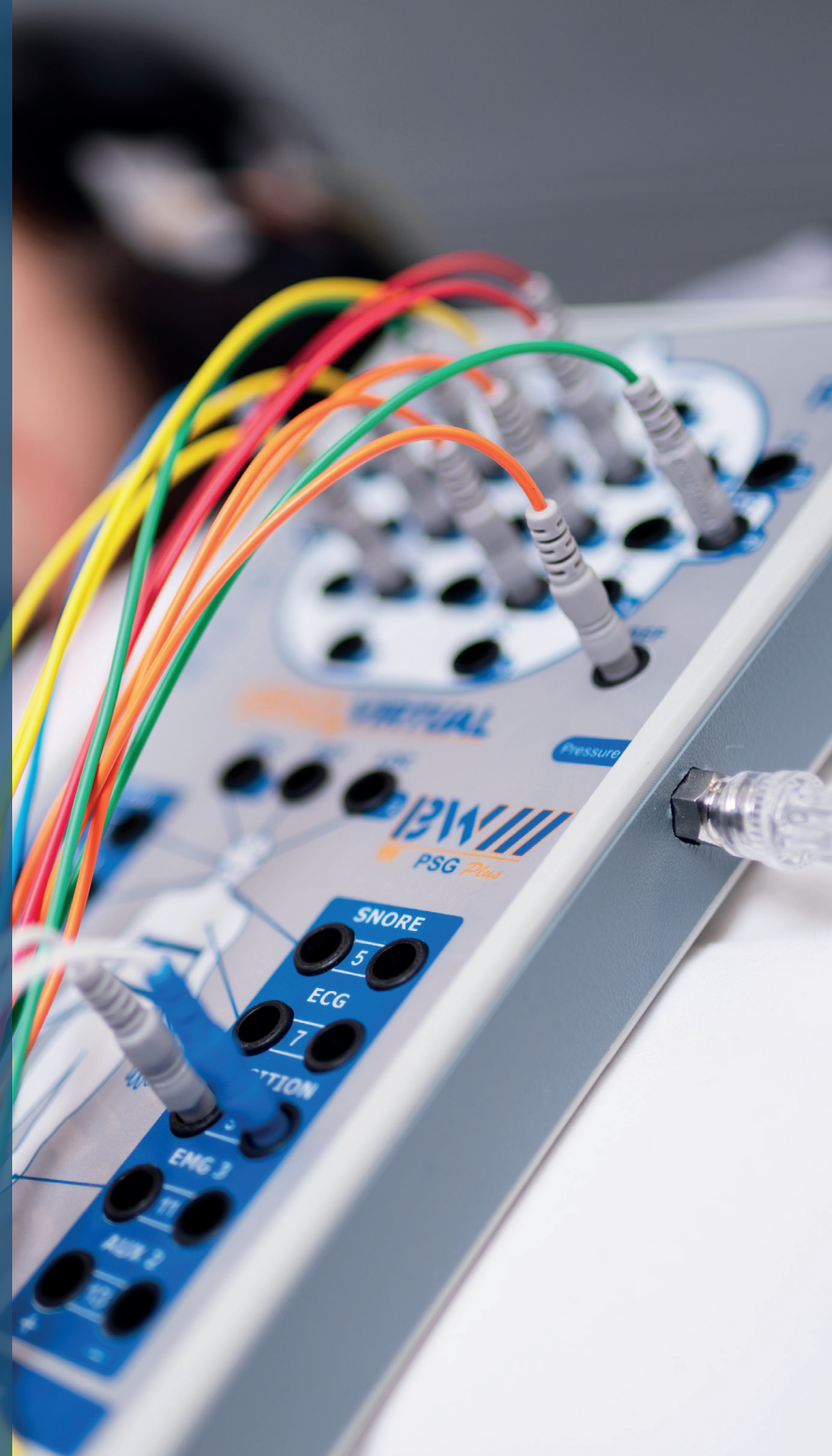# NEUROVIRTUAL

Humanizing diagnostics

Sleep Medicine
Catalog

Request a Demo

About us

Since 1969, we have worked tirelessly to deliver the best available products and customer experience. Today, we specialize in offering innovative solutions for diagnostics in Neurology and Sleep Medicine. We operate on a global level in the manufacturing, marketing, and distribution of equipment and supplies, offering the best return on your capital investment, with a people-centric approach in everything we do.

Neurovirtual Headquarters - Fort Lauderdale, FL

History

Our past at a glance:

- Developed and launched the first digital EEG device
- The BWII EEG is introduced to the market

1998 - 2003

- Opened subsidiaries in Colombia and Mexico
- Launched the BWIII Systems & BWCenter

2009 - 2012

- Launched the HST Compass
- Launched the BWFlash
- Opened a subsidiary in Chile

2019 - 2021

1969

- Started as an EEG paper manufacturer

2005 - 2008

- Awarded CE Mark Quality Seal in the European Union
- Moved Corporate Headquarters to Florida - USA
- Launched the BWII PSG device

2013 - 2018

- Launched the BWMini Systems
- Opened subsidiaries in Germany and Argentina

2022 - Future

- Opened a subsidiary in Peru
- Preparing to open subsidiaries in Canada and Spain

Customer Service

At Neurovirtual, we provide 24/7 technical support with a human being on the other side. We understand your time is better spent helping your patients instead of dealing with queues and automated answering machines.

ALL DAY, EVERYDAY
We are the ONLY company that offers technical support 24 hours a day, 7 days a week, 365 days a year

EFFICIENCY
98% of all issues are solved on the first call with Neurovirtual Support Line

REAL EXPERTS
100% of our customer service specialists are engineers with 5 + years of training and education

Key Customers

Neurovirtual has helped over 2000 customers globally, including over 400 customers in the United States.

Ohio
• The Ohio State University Wexner Medical Center
• Cincinnati Children's Hospital
• Memorial Hospital
• Adena Health System
• Wooster Community Hospital
• Van Wert Health
• Mary Rutan Hospital

California
• University of California San Francisco
• Stanford University Research
• Barton Memorial Hospital
• Valley Sleep Diagnostics
• ERG Clinical Research

Arizona
• Valley Sleep Center
• Arizona Neurology and Sleep Center

Texas
• Academy Diagnostics
• Neurology and Sleep Specialists
• Advanced Neurology, Epilepsy, and Sleep Center

Illinois
• Memorial Health System – Decatur Memorial Hospital
• University of Chicago

Arkansas
• Sleep Centers of Arkansas

Oklahoma
• Oklahoma State University Medical Center
• Great Plains Sleep Specialists

Missouri
• Children's Mercy Hospital
• North Kansas City Hospital

Kansas
• Susan B. Allen Memorial Hospital

Wisconsin
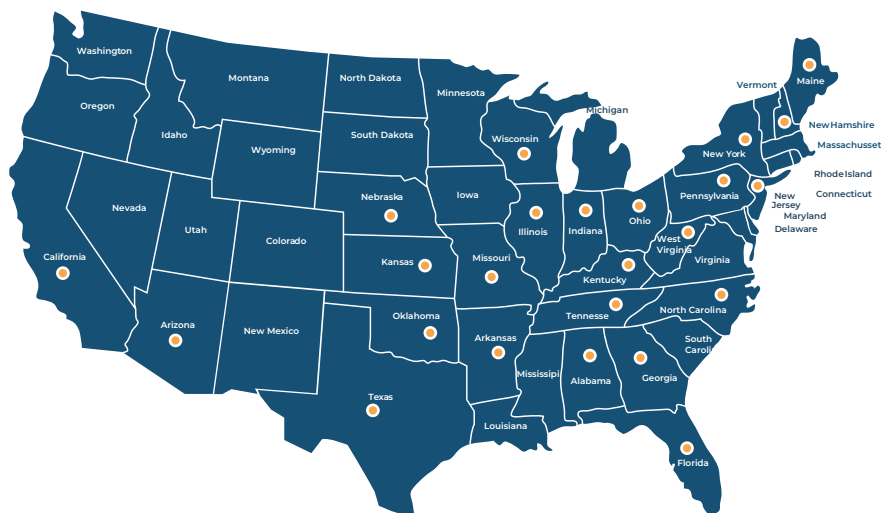• University of Wisconsin
• Black River Memorial Hospital
• ThedaCare Encircle Health
• Bellin Health

Tennesse
• Lincoln Medical Center

Florida
• Tenet Health – Delray Medical Center
• Tenet Health – West Boca Medical Center
• Cleveland Clinic - Indian River Medical Center
• Flagler Hospital

Indiana
• VA Northern Indiana Healthcare Fort Wayne Campus
• VA Northern Indiana
• Healthcare Marion Campus
• Goshen Hospital

Pennsylvania
• Butler Memorial Hospital
• Fulton County Medical Center

Maine
• VA Togus Medical Center
• Calais Regional Hospital

New Hampshire
• Littleton Hospital

New York
• Claxton-Hepburn Medical Center
• Arnot Ogden Medical Center
• Samaritan Medical Center

North Carolina
• First Health of the Carolinas
• Chesapeake Regional Hospital

New Jersey
• Capital Health

Georgia
• Rockdale Medical Center
• Georgia Neurology and Sleep Medicine
• Neurotrials Research

Alabama
• East Alabama Medical Center

Kentucky
• St. Claire Regional Medical Center

Nebraska
• Community Hospital

BWAnalysis

Neurovirtual employs a dedicated team of in-house software developers and engineers, whose primary goal is to continually improve our user platform to better suit your needs. Part of our people-first approach includes a package of software customization with every new order, ensuring our software suite is the most intuitive and user-friendly package available.

Intuitive and Flexible PSG software:

- **AASM guideline complaint PSG software**
- Full EEG add-on capabilities for routine EEG, LTM, ICU monitoring
- Inter-scorer reliability is built into software and allows users to compare scored data to a golden scorer to improve their scoring ability

Fully Customizable Software:

- Custom Workspace allows users to create custom workspaces configured to meet their needs and preferences
- Custom Report Template generation via Microsoft Word ®
- Custom Sleep stages for infant/ pediatric staging and / or research
- Custom Sleep events for Obstructive / Central Hypopnea, Simultaneous 1A / 1B Hypopnea Scoring, and / or research

HD Video Synchronization

- Live Review Video Monitoring allows users to review while recording
- Dual-Video Monitoring allows users to configure two video cameras in order to be able to capture close and wide angles of the patient during video-monitoring

Windows 10 ® & 11 Compatible Software:

- Supports Desktop, Laptop, or Tablet PC
- Unlimited Software Update and Reader Station Licenses which allow users to upgrade and install the software free of charge
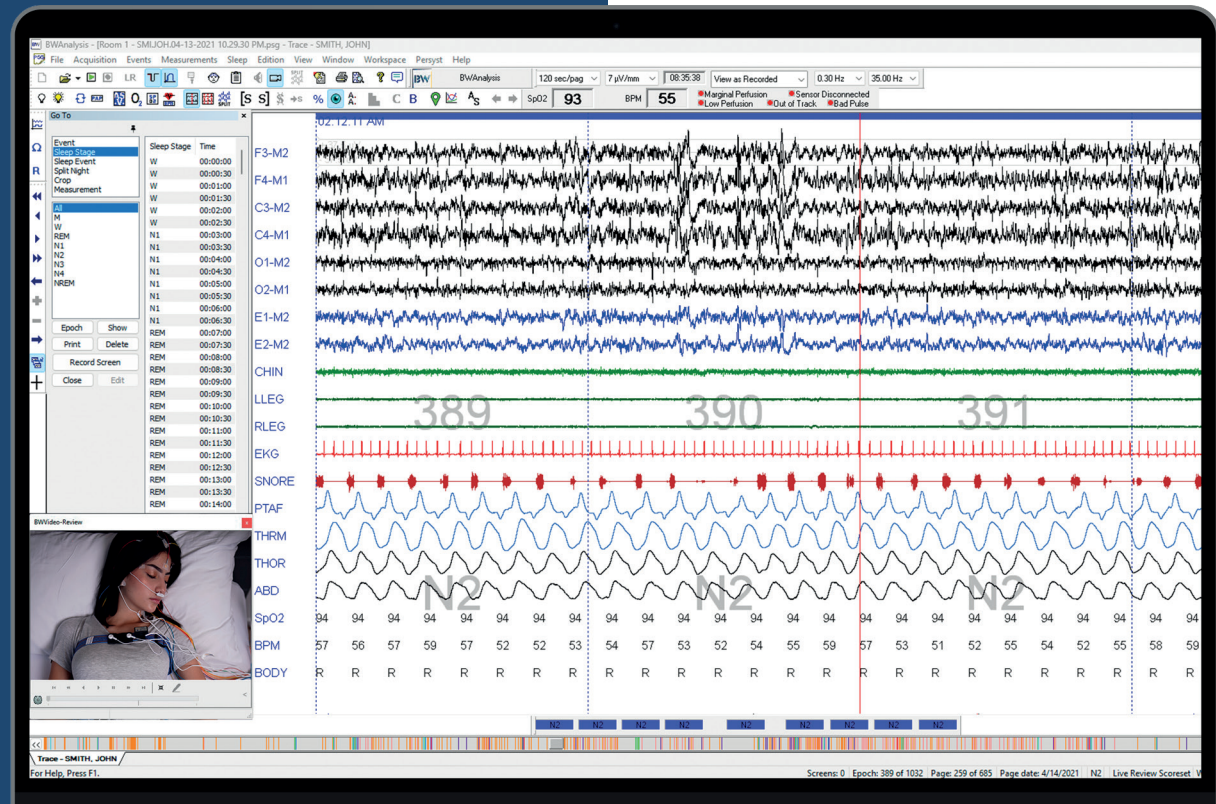
BWCenter & HL7

Microsoft® SQL-based BWCenter patient database software delivers integrated solutions for enterprise environment, and offers seamless integration with healthcare information systems via HL7. BWCenter is a powerful tool to manage studies and allows users to easily organize, find and report patient files. Filter study by date, status, diagnosis, or use any built-in customizable field to create custom filters for your unique needs including reporting clinical data information for research.

BWCenter Patient Database Features:

- Ability to backup, archive, relocate, and manage patient data from an intuitive data management tool
- Enhanced login security and permission group options allow administrators the flexibility of applying specific user account permission to different staff members

BWCenter/Hospital EMR HL7 Integration Features:

- HL7 Bi-Directional interface allows integration between BWCenter and Hospital EMR Platforms
- ADT Patient Demographic information and Order Messages (ORM) can be exchanged from Hospital EMR to BWcenter automatically via HL7

- Report messages can be transmitted directly back to EMR via embedded PDF, link, or direct file transfer

Remote Scoring/Review Access:

- Studies can be accessed by an authorized user from any computer or tablet to score/review the PSG data, even during the live recording
- Software supports Windows RDP, Citrix, and many third-party remote desktop applications
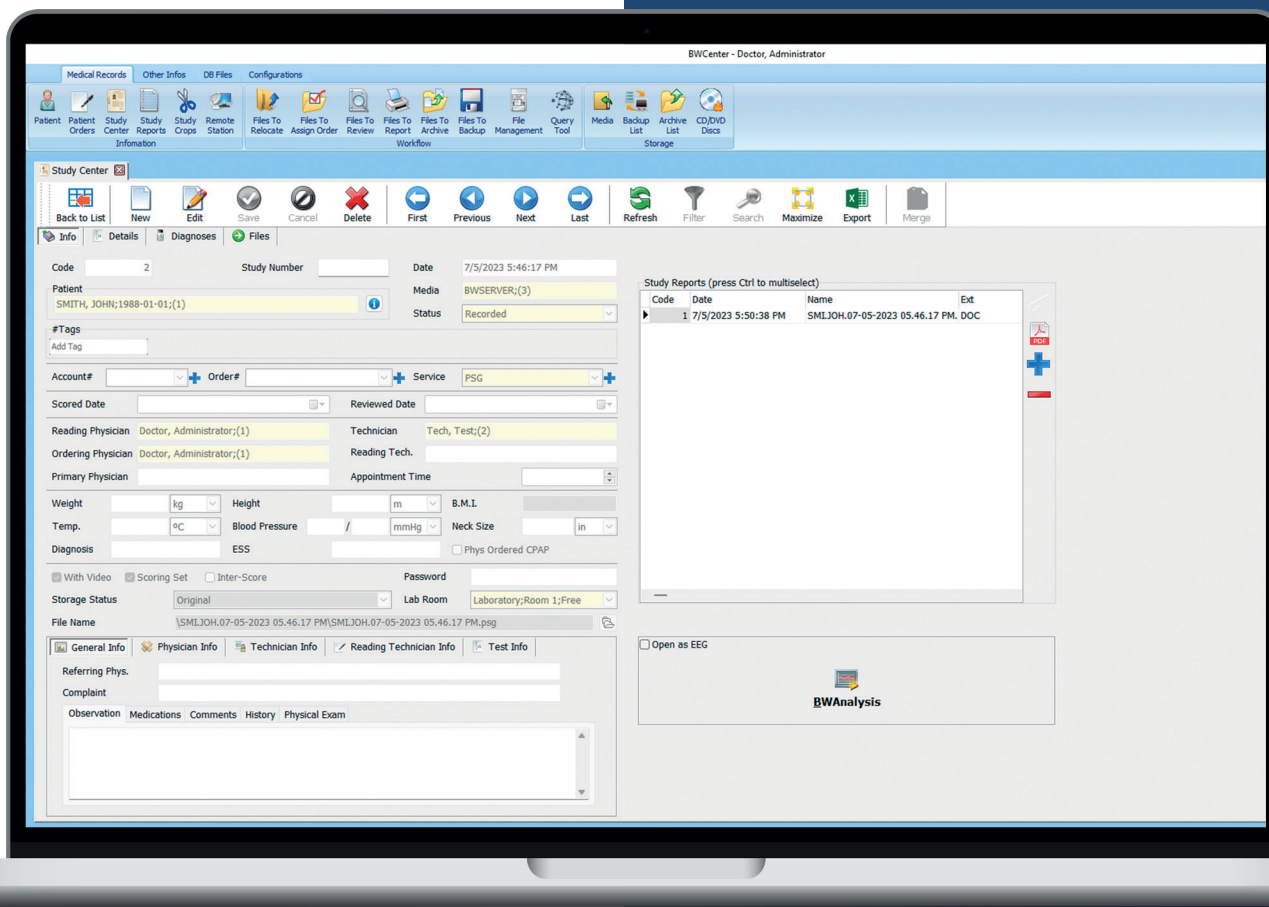
BWIII PSG Plus

- Full Routine PSG and EEG functionally which allows users to perform both clinical PSG and EEG from the same hardware and software platform
- Hardware is lightweight and portable, it can be transported from one location to another seamlessly via carrying case or permanently installed in a sleep lab environment
- Dual electrode/sleep sensor inputs on the head box and amplifier provide sleep techs flexibility
- Built-in bedside Impedance Check directly from the amplifier allows techs to verify the impedance status without having to leave the patient's side
- 8 Built-in DC channels directly from the amplifier allow integration of auxiliary devices (CPAP/Capnography)
- Can expand to a total of 16 DC channels via an extended DC module
- Built-in Pressure Transducer on both head box and amplifier
- Built-in Nonin Pulse Oximeter Module
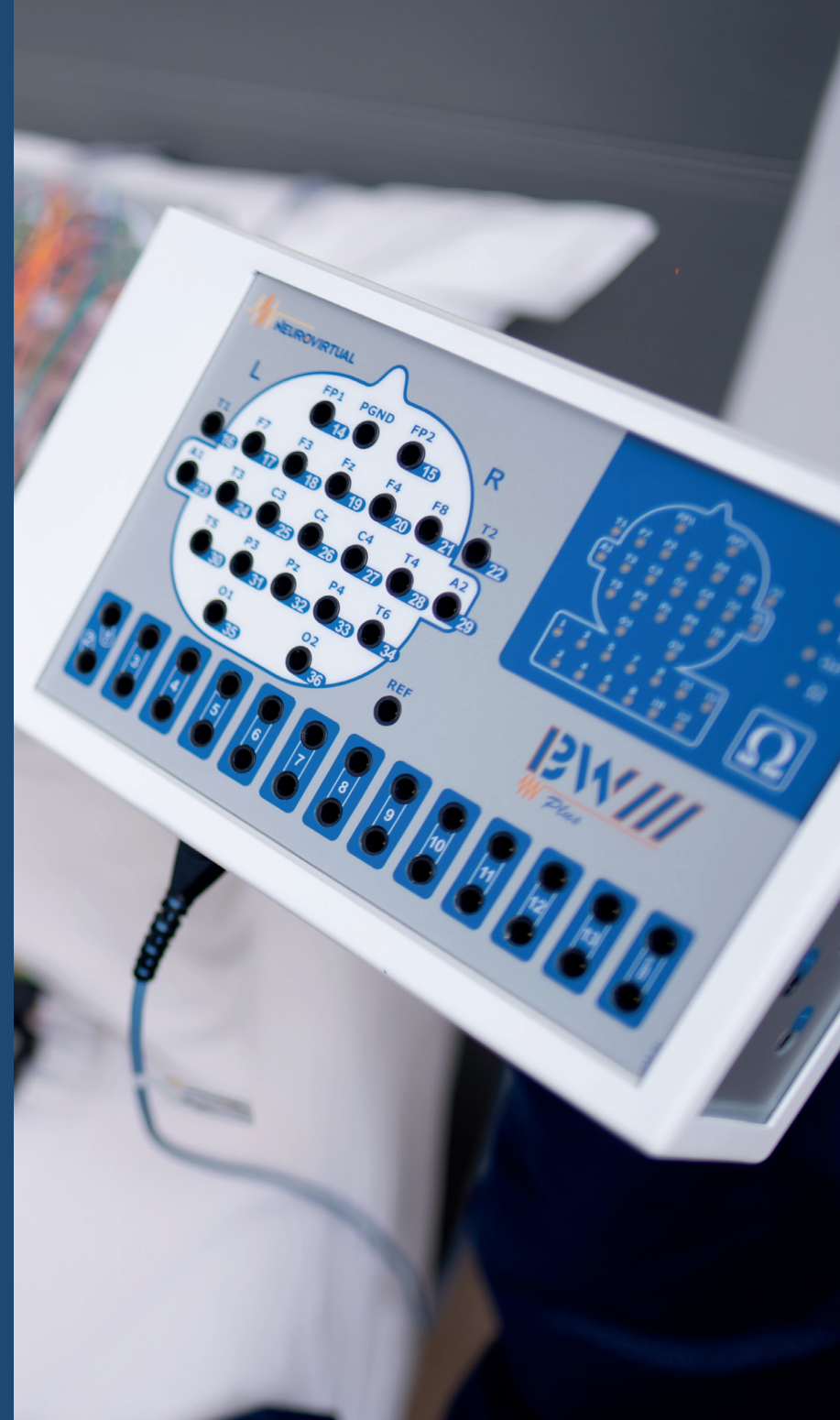
BWIII PSG

- AASM Complaint Type 1 PSG system (AASM Staging Criteria)
- PSG specific headbox with intuitive sleep related sensor connection indicators
- Hardware is lightweight and portable. Perfect for mobile or stationary PSG solutions
- Non-proprietary connectors/cables
- Allows techs to verify the impedance status without having to leave patient's side
- 8 Built-in DC channels directly on the amplifier allow integration of auxiliary devices (CPAP/Capnography)
- Can expand to a total of 16 DC channels via extended DC module
- Built-in Nonin Pulse Oximeter Module in the Amplifier

BWMini HST/ PSG

- Amplifier Designed for Type 3, 2, and 1 HST or in-lab studies (27 HST, 42 PSG Channels)
- BWMini PSG model allow Ambulatory EEG
- Hardware is lightweight and portable
- Perfect for HST or in-lab PSG
- LCD screen displays time, study status, and battery level
- Up to 72 hours of recording
- Non-proprietary sleep sensor, connectors/cables
- BWAnalysis Software suite
- Synchronized high-quality video (optional)
- 3 Built-in DC channels directly on the amplifier allow integration of auxiliary devices (CPAP/Capnography)
- Built-in Nonin xPod Pulse Oximeter Module

BWMini HST

BWMini PSG

HST Compass

- The HST Compass is a polysomnography type 3 device intended to perform HST studies. The device contains 2x AC bipolar channels, pressure transducer, 2 integrated RIP interfaces, Oximeter, integrated body position, and 3 DC channels. All of these resources are embedded into a single module that will comfortably fit on the patient's chest
- Micro SD Card with capability of recording multiples studies
- Powered by a single AA battery
- LCD Screen displays calibration signals, battery, and study status
- Built in alarm system via LCD if any sensor disconnects during HST study

Specifications

Specifications	BWIII PSG Plus	BWIII PSG	BWMini HST/PSG	HST Compass
Studies Performed	PSG Type I and EEG (Full 10/20)	PSG Type I	PSG Type I and II	PSG Type III
Total Channels	50 Channels	37 Channels	27 (HST) 42 (PSG)	13 Channels
DC Channels	08 DCX (up to 16 DCX)	08 DCX	03 DCX	03 DCX
Communication	Ethernet	Ethernet	USB	USB
Photic Stimulator	Programmable 0Hz to 60Hz	0Hz to 60Hz	Optional (0-60Hz)	N/A
Impedance Check	Amplifier and Software	Amplifier and Software	Software	Amplifier and Software
Low Filters	0.01Hz to 15Hz	0.01Hz to 15Hz	0.01Hz to 15Hz	0.01Hz to 15Hz
High Filters	1Hz to 100Hz	1Hz to 100Hz	1Hz to 100Hz	1Hz to 100Hz
A/D Resolution	16 Bits	16 Bits	16 Bits	16 Bits
Sampling Rate	2000 Hz	2000 Hz	2000 Hz	2000 Hz
Storage Rate	500Hz	500Hz	300Hz	300Hz
Pressure Transducer	Two Integrated (Headbox and Amplifier)	Two Integrated (Headbox and Amplifier)	Integrated	Integrated
Oximeter Nonin	Integrated	Integrated	Module xPod	Module xPod