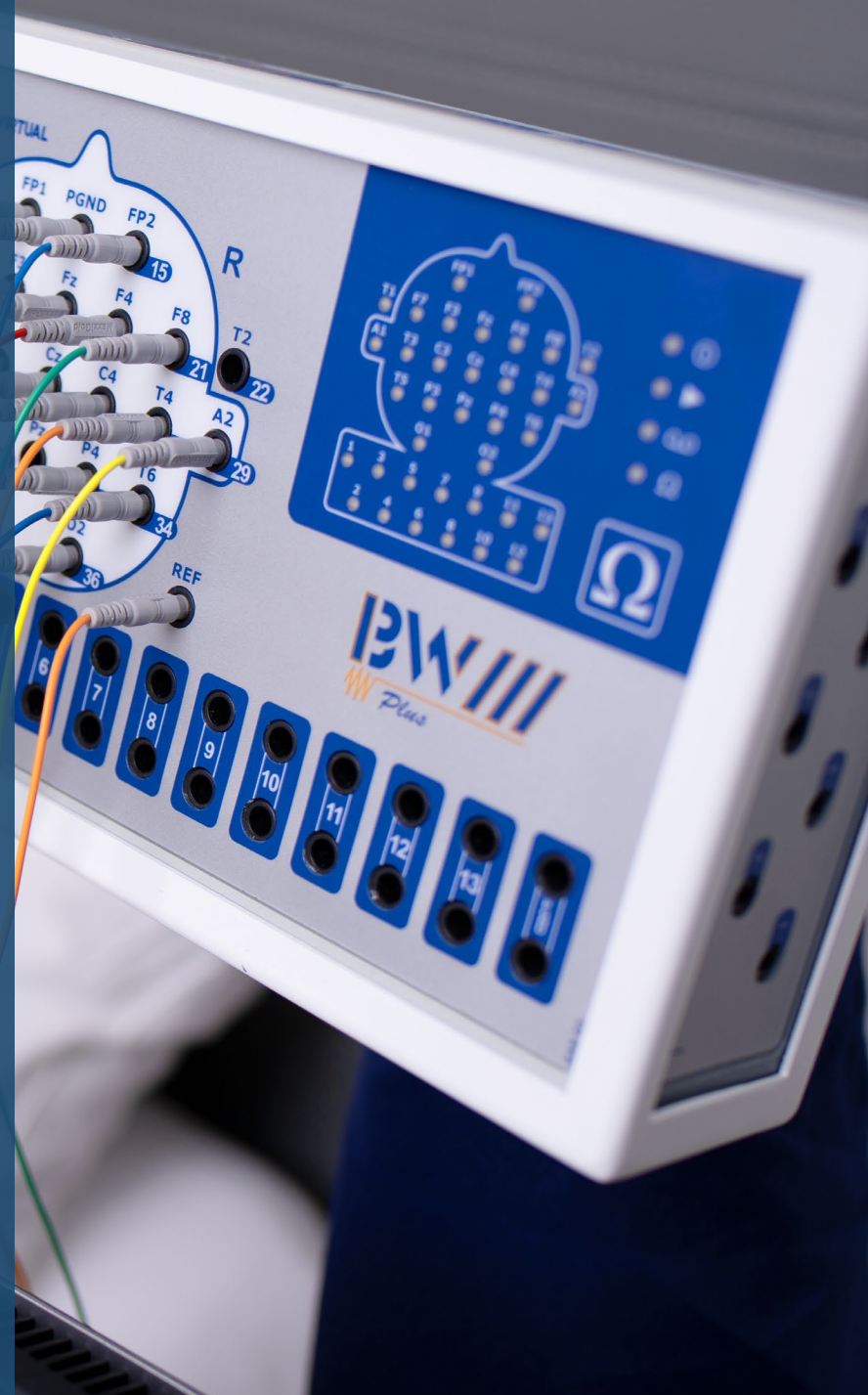# NEUROVIRTUAL

EEG Monitoring
Catalog

Request a Demo

NEUROVIRTUAL

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

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

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

2009 - 2012

2013 - 2018

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

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

2019 - 2023

2024 - Future

- Opened a subsidiary in Canada
- Preparing to open subsidiaries in 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 3000 customers globally.

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
• Arizona Neurology and Sleep Center

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

Arkansas
• Sleep Centers of Arkansas

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

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

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

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

Kansas
• Susan B. Allen Memorial Hospital

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

Tennesse
• Lincoln Medical Center

Florida
• Tenet Health – Delray Medical Center
• Tenet Health – West Boca Medical Center
• Cleveland Clinic - Indian River Medical Center
• Flagler 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 50 hours of software customization with every new order, ensuring our software suite is the most intuitive and user-friendly package available.

Quantitative EEG

- Measurement Tool allows user to select a specific area in the EEG to display duration, frequency, & amplitude
- EEG Spectrogram feature to select specific channel derivations to display Amplitude and Dominant Frequency Analysis graphically
- Digital Analysis and Brain mapping. Calculate (FFT) and display brain maps, frequency histograms, & CSA spectrums

Synchronized HD Video

- Pan–tilt–zoom camera (PTZ) to view 360 degrees of angles and zoom up to 18 times
- Dual Video capability allowing configuration of two cameras capturing wide and close angles
- Post-Acquisition Zoom
- Video clipping feature, allows you to keep only the important events
- Live Review Video Monitoring
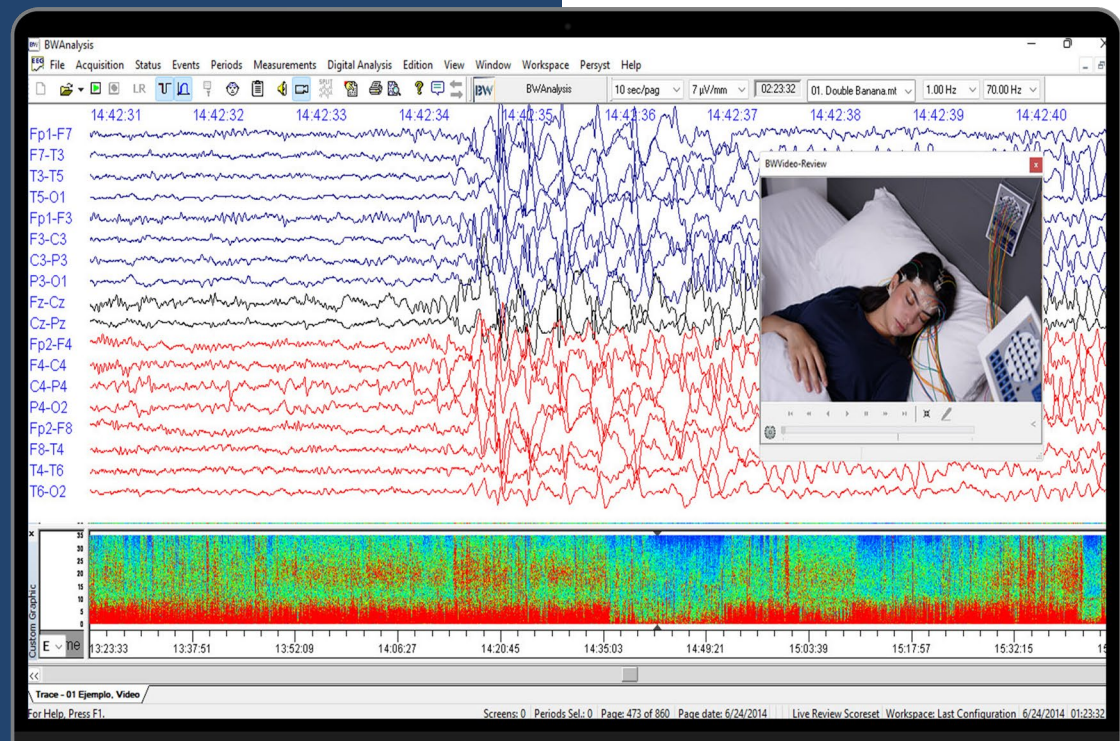- HD Audio captures two-way communication between patients and technicians

Fully Customizable Software

- Customizable Photic, Hyperventilation and Post-Hyperventilation protocols give you the flexibility to accommodate individual patient needs

- Live Review of data and montage editing from EEG screen during live acquisition
- MD Workspace allows user to create custom work spaces configured to meet their preferences
- Microsoft Word Report Template generation

Easy Crop Feature

- Easy clipping feature on the toolbar permits users to crop and prune recorded studies
- Cropped studies maintain synchronized video clippings
- Track your cropped studies through BWCenter, our SQL patient database

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
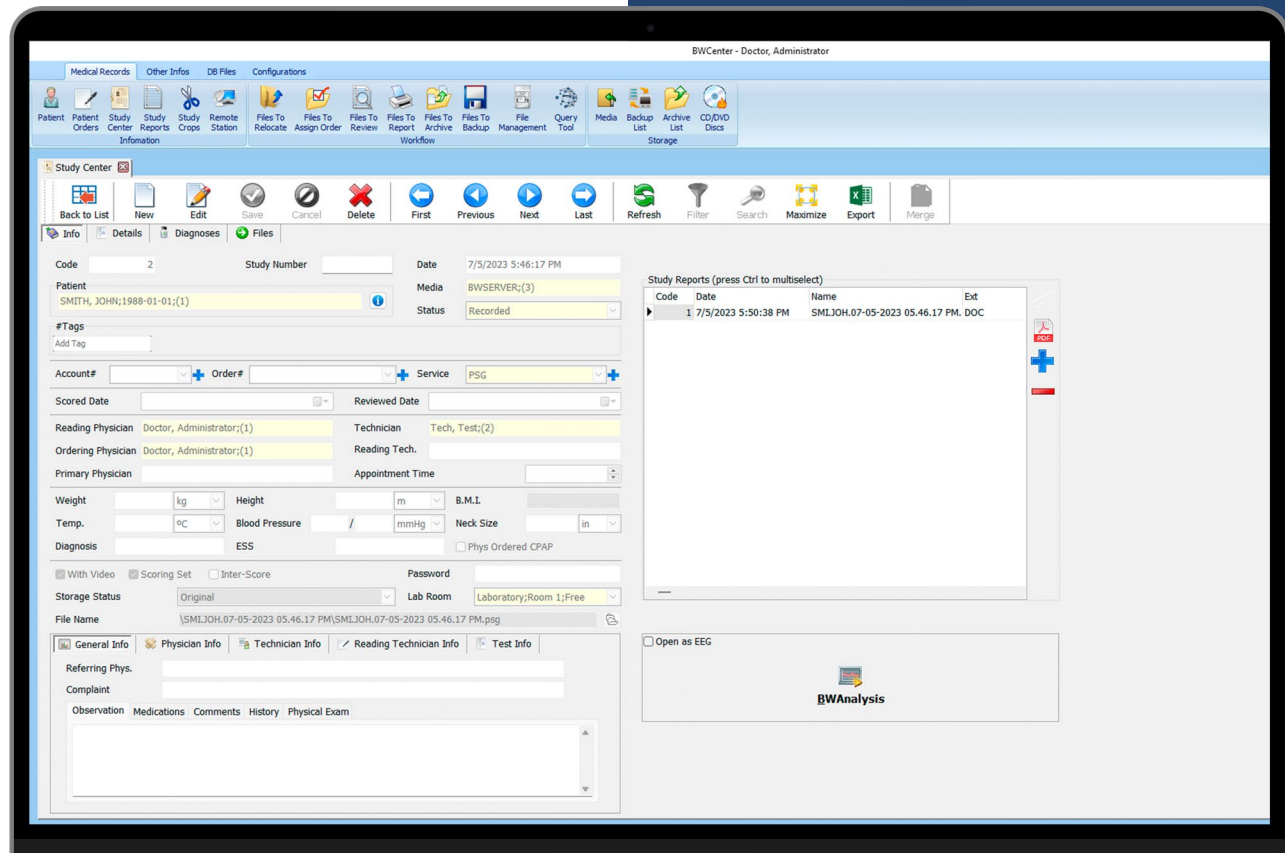
BWCenter/Hospital EMR HL7 Integration Features:

- 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
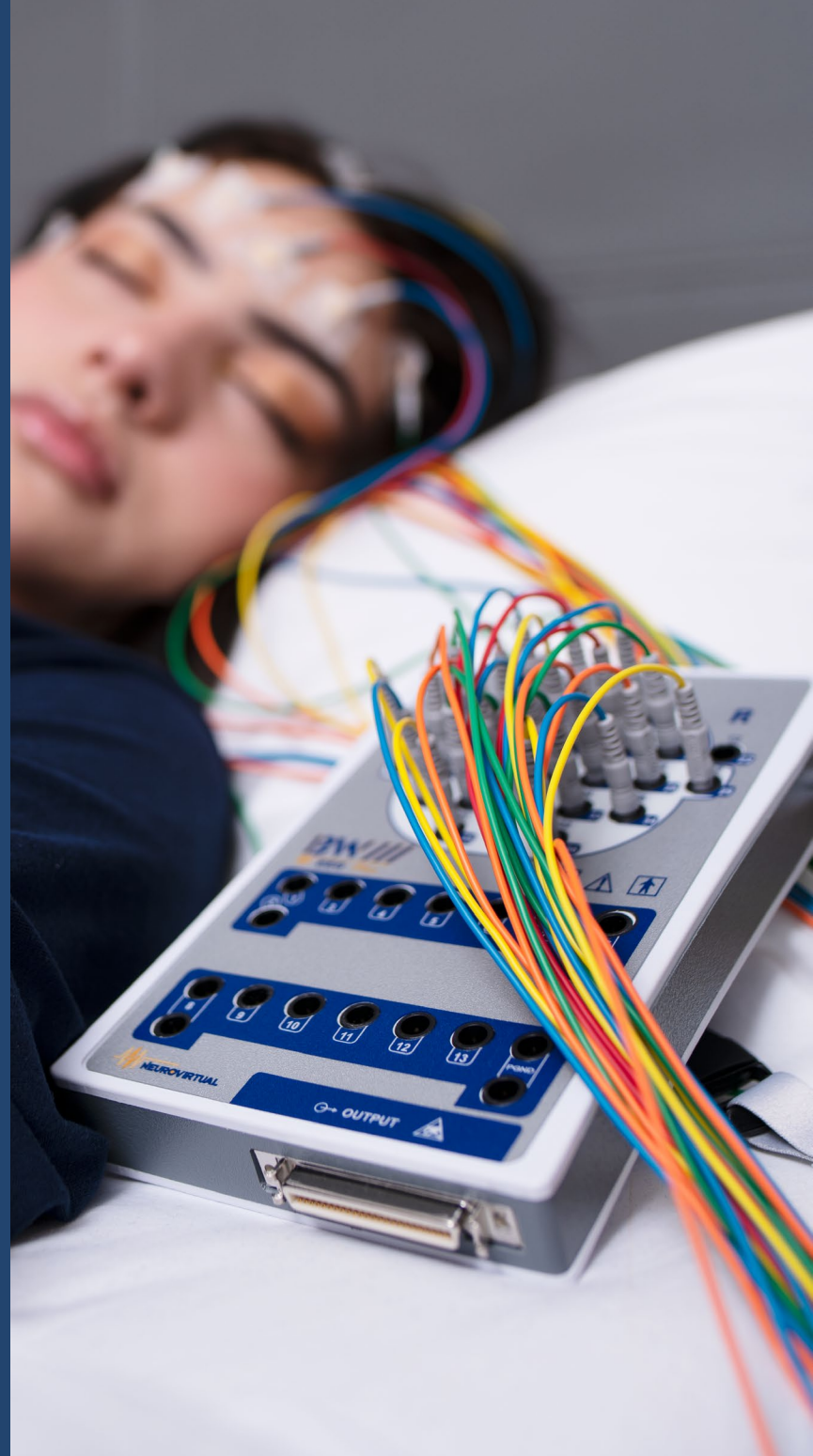
Remote Scoring/Review Access:

- 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
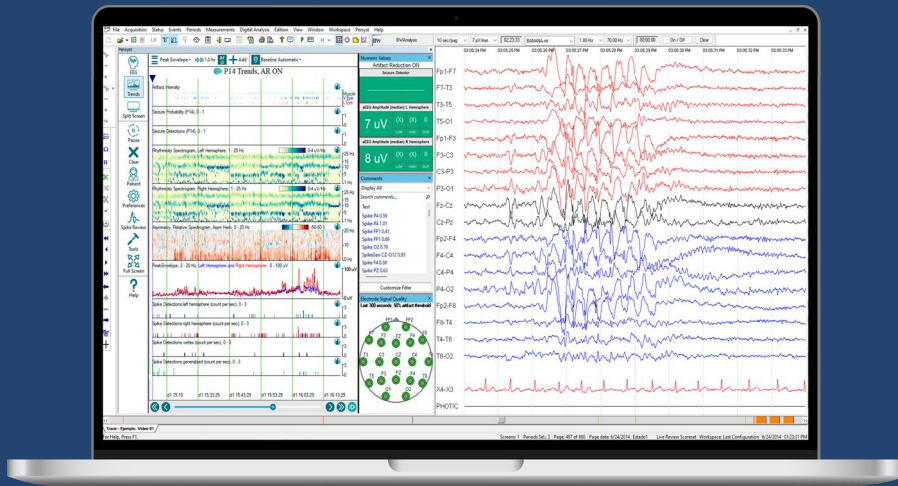
BWIII EEG Plus

- Full Routine EEG and LTM capacity, allowing users to perform both clinical EEG and LTM studies from the same hardware and software platform
- Hardware is light-weight and portable. It can be transported from one location to another seamlessly via carrying case, or permanently installed on a mobile trolley or ICU Cart
- Dual electrode/sensor inputs on the head box and amplifier provide techs with flexibility and troubleshooting options
- Built-in bedside Impedance directly from Amplifier allow techs to check the impedance status without having to leave patient side
- 8 Built-in DC channels directly from the amplifier allow integration of auxiliary devices

BWIII LTM ICU

- Intuitive ICU/LTM Brain Monitoring
- Customization of protocols for NEURO ICU, NICU, Stroke and Trauma ICU's or EEG/LTM
- Online physician review from any reading station, including mobile devices
- Online integrated with Persyst Continuous Monitoring
- Digital Analysis and Brain Mapping Included
- SQL database with query capabilities
- Integrates with most EMR platforms via HL7 interface
- Custom reports in Microsoft Word
- Raw EEG Data storage for full analysis capabilities
- Synchronized high quality video
- Trim down the EEG and video before archiving
- Online Physician Review Capabilities

BWIII EEG

- Designed specifically for Routine EEG.
- Hardware is light-weight and portable. It can be transported from one location to another seamlessly via carrying case, or permanently installed on a mobile trolley or cart
- Built-in bedside Impedance directly from Amplifier allow techs to check the impedance status without having to leave patient side
- 4 Built-in DC channels directly from the amplifier allow integration of auxiliary devices or patient event button.

BWMini EEG

- Full ambulatory EEG capabilities
- LCD screen displays impedance, study, and battery status
- Up to 72 hours of recording with a single charge
- EEG frequency spectrum and brain mapping included on analysis software
- Portable and light-weight
- Built-in Event button
- 3 DC Inputs directly on recorder
- SD card and USB connections
- Upgradable for recording PSG and HST studies

Specifications

Specifications	BWIII EEG	BWIII EEG Plus	BWMini
Studies Performed	EEG	EEG/LTM/ICU/PSG	AEEG/PSG
Total Channels	36 Channels	50 Channels	43 Channels
DC Channels	4 DCX	8 DCX	3 DCX
Communication	Ethernet	Ethernet	USB
Photic Stimulator	White LED 1-60Hz	White LED 1-60Hz	USB White LED 1-60Hz
Impedance Check	Software and Amplifier	Software and Amplifier	Software and Amplifier
Sampling Rate	2000 Hz	2000 Hz	2000 Hz
Low Filters	0.01Hz to 15Hz	0.01Hz to 15Hz	0.01Hz to 15Hz
High Filters	1Hz to 100 Hz	1Hz to 100 Hz	1Hz to 100 Hz
Additional Features	Cost-effective specifically designed for routine EEG, perfect for private practice.	Duplicated inputs on amp and headbox; bedside impedance check. Can be easily upgraded to PSG type 1.	Internal storage 72 hours of recording on a single charge via lithium battery. Can be easily upgraded to PSG type 1 and 3.

Neurovirtual Corporation
Phone: +1 (786) 693-8200
Technical Support: +1 (877) NEURO-40
info@neurovirtual.com
www.neurovirtual.com
Address: 3303 W Commercial Blvd. - Fort Lauderdale, FL33309 - USA.

Neurovirtual Canada
Phone: +1 (786) 693-8200
Technical Support: +1 (877) NEURO-40
info@neurovirtual.com
www.neurovirtual.com
Address: 100 King Street West, Suite 5600, Toronto, ON, M5X 1C9.

Neurovirtual Brazil
Phone: +55 (11) 2179-9700
Technical Support: +55 (11) 4040-4511
brasil@neurovirtual.com
www.neurovirtual.com.br
Address: Al. Araguaia, 271 – Alphaville, Barueri, São Paulo.

Neurovirtual Mexico
Phone: +52 (55) 85259474 option 1
Technical Support: +52 (55) 85259474
mexico@neurovirtual.com.mx
www.neurovirtual.com.mx
Address: Av. Melchor Ocampo, 463 Colonia Nueva Anzures - Delegación Miguel Hidalgo México, Mexico City.

Neurovirtual Colombia
Phone:+57 6009801 option 1
Technical Support: +57 6009801 option 2
colombia@neurovirtual.com
www.neurovirtual.com.co
Address: Calle 79 No. 16ª – 20 Edf. Office Class Oficina 608, El Lago - Bogota.

Neurovirtual Argentina
Phone: 0800-333-0410 option 1
Technical Support: 0800-333-0410
argentina@neurovirtual.com
www.neurovirtual.com.ar
Address: Gallo 1224 PBC, Recoleta Buenos Aires.

Neurovirtual Peru
Phone: +51 1 7070509
Technical Support: +52 (55) 85259474
peru@neurovirtual.com
www.neurovirtual.com.pe
Address: Calle manco Cápac 348 Miraflores of 501, Lima.

Neurovirtual Chile
Phone: +56 44890-5225 option 1
Technical Support: +56 44890-5225
chile@neurovirtual.com
www.neurovirtual.cl
Address: Av. Recoleta 1259 of 308, Santiago de Chile.