

NEUROLOGY

EEG

EMG

IOM

PSG

EEG systems / Neurofax



Efficient and Flexible EEG Diagnostics for Hospitals and Medical Practices

EEG diagnostics in hospitals and medical practices place high demands on personnel and technology. From daily routines to highly specialized examinations in long-term monitoring, polysomnography or the intensive care unit, EEG systems are required which satisfy the needs of the individual. With more than 60 years of experience in neurology, NIHON KOHDEN offers a family of products that provide you with the ideal solution.



Routine EEG and more

The versatile and expandable EEG-1200 model from NIHON KOHDEN is equipped for all in-patient EEG diagnostics applications. Ranging from standard equipment for routine EEG to the highest clinical discipline of intracranial long-term monitoring, EEG-1200 provides the ideal basis for customized configuration.



Portable solutions

The notebook-based EEG-9100 from NIHON KOHDEN is "little brother" to the EEG-1200. Thanks to its compact structure, this is the ideal solution for mobile applications. The EEG-9100 uses the same reliable components as its "big brother", without compromising signal quality or reliability.

Highest level of reliability

Both EEG systems from NIHON KOHDEN are characterized by maximum reliability and flexible operational capability. High quality components and the highest standards of development and manufacture guarantee that these systems have a long service life.

Here, reliability also means that the EEG systems can be adapted for all applications in medical practices and hospitals. Standard tools and options contribute to reliable and efficient EEG diagnostics.

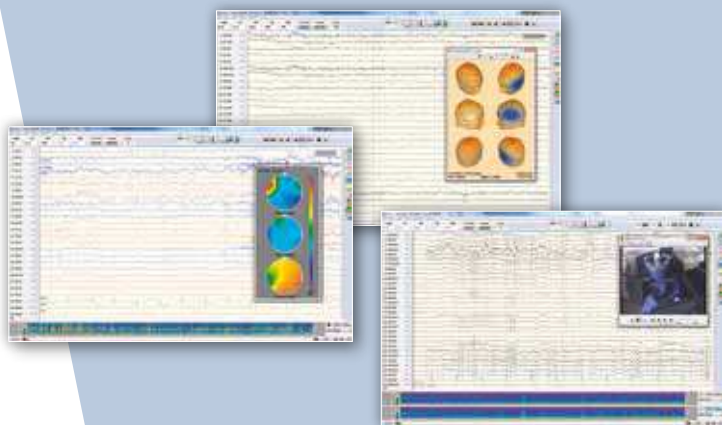
Modules for efficient EEG diagnostics

Standard EEG system elements together with quantitative modules such as Density Spectral Array (DSA), neuromapping, and the innovative 3D amplitude map make for efficient EEG diagnostics.

Flexible hardware expansions (W-LAN amplifier Air-EEG with up to 64 channels, fanless touchscreen for the intensive care unit, etc.) and optional software (e.g. range of digital video formats, spike and seizure detection, etc.) make it possible to optimize EEG systems to meet individual needs.

Fast and simple reporting

The report generator, which is integrated in all NIHON KOHDEN EEG systems, guarantees maximum flexibility and compatibility. With individually configured report templates, including adaptive autotext functions, findings can be defined quickly and conveniently. Automatik PDF conversion of the final report means that the findings can be administered and used on any platform.



Optimized workflow

An optimized workflow provides the basis for maximum efficiency. The intelligent modules of the integrated data administration program polaris.one assist you with everything from EEG data registration to archiving. Notably the processes that run in the background, such as data retrieval from hospital or medical practice systems or the transfer of data, make for increased efficiency. The intuitive presentation of patient data and readings as well as practical functions for the filtration of information – which even adapts to the user – simplify daily tasks.

Solutions for all requirements

The exceptionally high signal quality and durability make this a safe investment that will last for many years. With their many innovative functions and integrated capability, the EEG systems ensure efficient diagnostics. Thus the EEG product family from NIHON KOHDEN is the ideal solution for hospitals and medical practices.

Neurofax EEG-1200



System specifications

- Desktop-based
- Amplifier with 32 to 256 channels
- Sampling rates up to 10,000 Hz
- Standard input box with integrated SpO₂ and CO₂ module
- Up to 16 DC and trigger inputs
- Quantitative modules DSA, neuro-mapping and 3D mapping
- Digital video with resolution up to full HD
- Software for spike and seizure detection

LTM



System specifications

- Mini input boxes for recording up to 256 channels
- Special software tools (e.g. slideshow, presentation function, auto-clipping, etc.)

Neurofax EEG-9100



System specifications

- Notebook-based EEG system
- Amplifier with 32 or 38 channels
- Standard input box with integrated SpO₂ and CO₂ module, also suitable for polysomnography
- Carrying case for mobile applications is available

ICU-EEG



System specifications

- Fanless panel PC
- Touchscreen
- Integrated SpO₂ and CO₂ module
- Slimline equipment trolley is available
- Trend software with aEEG (amplitude-integrated EEG), DSA, FFT, burst suppression is available
- Optional digital video

Air-EEG



System specifications

- Battery-powered amplifier with W-LAN data transfer
- Up to 64 channels
- Digital video with resolution up to full HD
- Roaming mode for up to three amplifiers/access points

PSG



System specifications

- Dedicated amplifier/mini input boxes
- Polysmith™ analysis software

Trackit



System specifications

- Portable EEG/PSG long-term recorder
- Up to 36 channels
- Storage on Flash card