NIHON KOHDEN

NEUROLOGY

EEG | EMG | IOM | PSG

EMG/EP systems / Neuropack

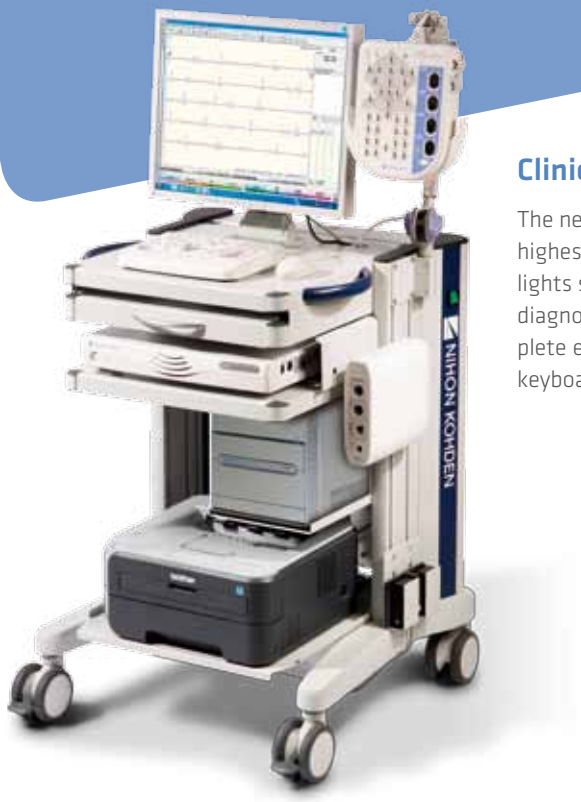
EMG

NIHON KOHDEN

Optimized solutions for **neurophysiological diagnostics**

Labour-intensive neurophysiological diagnostic examinations place particular demands on the ergonomics of the diagnostic measurement systems used.

The development of the first electromyographs by NIHON KOHDEN in 1956 laid the foundations for a comprehensive product range. Thanks to our extensive experience, we are able to offer you the ideal solution for hospitals and medical practices.



Clinical Neurophysiology

The newest member and flagship of the product family – the Neuropack X1 – fulfills the highest requirements in terms of equipment features and operating convenience. Highlights such as 6- or 12-channel input amplifiers set new standards in neurophysiological diagnostics. This includes for example, a separate function keypad that enables complete examinations to be carried out without having to rely on control via the computer keyboard and mouse.

Daily Routine

Neuropack S1 is your ideal partner for routine clinical work. Whether it is used as a compact notebook device (stored in an optional handy transport case) or on an easily positioned equipment trolley with a desktop computer, the 2-channel basic system fulfills all your daily task requirements.

Interactive reference work for neurophysiology

All NIHON KOHDEN EMG/EP systems include the NeuroNavigator, a comprehensive, interactive compendium for neurophysiology. It provides background information on measurement techniques and recording, with numerous practical user tips.

With this tool, NIHON KOHDEN provides much more than the customary instruction manual, both in the amount of information and the particularly quick access to it.

Modular structure

The neurophysiological measurement systems can be expanded with a range of modules in addition to standard EMG/NCS/SEP programs included with each recording station. Depending on clinical requirements, the systems can be expanded further with optional examination programs for extended EMG analysis (including single fiber and macro EMG), AEP/VEP, cognitive potentials, R-R interval, and even with intraoperative monitoring. It is also possible to expand the recording station into a fully-featured EEG machine.

Fast and simple reporting

The integrated report generator guarantees maximum flexibility and compatibility. In particular the convenient autotext functions enable maximum adaptation to individual requirements. A wide range of pre-installed sample templates are available for generating reports which are saved in a license-free format in the NIHON KOHDEN patient database and transferred to higher-level systems within the hospital or medical practice using the universal PDF format.

The right solution for all requirements

For decades, the neurophysiology measuring stations from NIHON KOHDEN have been characterized by their durability and exceptional quality. For example, NIHON KOHDEN places particular emphasis on data compatibility, so that yesterday's examination results can still be read in the years ahead, in spite of the ever-shorter innovation cycles. Moreover, the current generation of system is impressive thanks to the flexibility and capacity to integrate these devices into a wide variety of technological environments, thus providing the ideal solutions for all neurophysiological diagnostic requirements.

Optimal mapping of the clinical workflow

An optimized workflow provides a basis for maximum efficiency. The intuitive, individually adaptable presentation of patient data and measurements in the integrated database polaris.one, plays a significant role here, especially where EEG or ECG examinations are made available, allowing a patients examinations to be grouped in a logical manner. Practical functions for filtering information also helps to simplify daily tasks. Processes running in the background, such as data retrieval from hospitals or medical practices, or the fully automatic transfer of examination data to the central server make for increased efficiency.

Neuropack X1 MEB-2300

System specifications
- Desktop computer-based measuring station for EMG, neurography and evoked potentials
- 6-channel or 12-channel recording
- Electrode input box in 10-20 layout
- "Active Electrode" technology for particularly strong signals
- 2 or 4 electrical stimulators
- Mobile function keypad for ergonomic and flexible operation
- Measurement programs also freely programmable online

Software packages
Standard:
- EMG, measurement of motor units, turn/amplitude analysis, QEMG
- SEP, SSEP, ECG-SEP, ESCP
- Motor and sensory Neurography, F wave, H reflex, repetitive stimulation, collision test, blink reflex

Optional:
- BAEP, AEP, electrocochleography
- VEP, electroretinography
- Single fiber EMG, macro EMG
- Sympathetic skin reflex, microneurography, R-R interval
- P300, CNV, MRCP
- IOM

Neuropack S1 MEB-9400

System specifications
- Measuring station for EMG, neurography and evoked potentials
- 2-channel recording
- Special ergonomic keyboard for convenient operation

Notebook Version
- Equipment trolley for mobile application or in a special case as a portable solution

Desktop Version
- In-patient use on equipment trolley optimized for the best possible ergonomics in hospitals and medical practices

Software packages
Standard:
- EMG, measurement of motor units, turn/amplitude analysis, QEMG
- SEP, SSEP, ECG-SEP, ESCP
- Motor and sensory Neurography, F wave, H reflex, repetitive stimulation, collision test, blink reflex

Optional:
- BAEP, AEP, electrocochleography
- VEP, electroretinography
- Single fiber EMG, macro EMG
- Sympathetic skin reflex, microneurography, R-R interval
- P300, CNV, MRCP
- IOM

EEG-Kit

System specifications
- Neuropack X1 and Neuropack S1 can be turned into combination units by connecting an additional EEG amplifier
- Recording of 32 EEG/polygraphy signals
- Digital video
- Photostimulator

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