

# Trusted excellence in EMG/EP diagnostics

**Neuropack EMG/EP systems**

# Neurophysiology solutions that meet your needs

At Nihon Kohden, we aim to deliver outstanding quality and reliability in neurodiagnostics. Our Neuropack family has been designed to fulfill these specific objectives.

Whether performing complex neurophysiological examinations or routine clinical tasks, you need to complete your work quickly, efficiently and with maximum precision. Drawing on extensive experience in the field, Nihon Kohden has developed a range of products that address these requirements – with offerings to suit hospitals and medical practices alike.

#### The key benefits of Neuropack

- Optimized to fit your needs – ranging from routine tasks to complex examinations
- High quality, high performance
- Intuitive, user-friendly design
- High flexibility, with a modular structure
- Faster patient examinations

Modular structure

Diagnostic quality

User friendly

Seamless workflow



## Neuropack X1

The Neuropack X1 has been developed with the needs of neurophysiology professionals in mind. It offers an impressive combination of exceptional performance and ease of use, with features that respond to some of the most common and significant challenges in this field.

- 6-channel or 12-channel recording
- Electrode input box with 10-20 layout

## Neuropack S3

The Neuropack S3 is the ideal partner for routine clinical work. The system excels in terms of its flexibility, with a range of configurations available, plus an array of potential hardware and software modules.

- 2-channel or 4-channel recording
- Desktop or laptop configuration



# Combining ease of use with outstanding diagnostic quality

## User-friendly, fast, flexible

Today, neurophysiologists and physicians face significant challenges on a daily basis. Patient examinations need to be performed quickly and efficiently. When moving from patient to patient and room to room, mobility is a top priority. And as individual users often have very specific requirements of their measuring systems, flexibility in configuring hardware and software installations and configurations can be vital.



## Clean waveforms – for results you can trust

We realize that neurophysiologists rely on sensitive recording equipment. In order to reduce influences from the surrounding environment, our amplifiers reliably deliver clean waveforms by minimizing the effect of interference, thanks to a combination of exceptional specifications and high durability.

## 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.



## The simple way to efficient exams

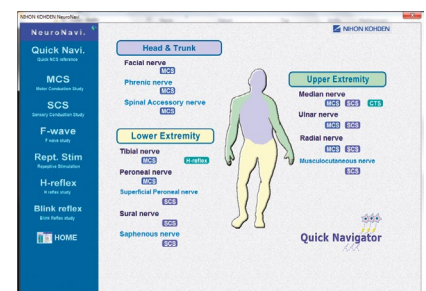
Neuropack devices are designed to make patient examinations as stress-free and straightforward as possible. A particular highlight is the easy-to-use control panel, which enables you to change the electric stimulation duration and rate with a single touch. The panel also includes side/set and muscle/test keys – paving the way for faster EMG and NCS examinations.



## 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 the improved built-in anatomical instructions including more details, you can now view the pages and get started without moving away from the examination window.



# Optimized workflows, highly flexible reporting

## 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.

## Data management

Today's healthcare eco-systems can span multiple clinical domains, locations and devices. Keeping track of data in this complex environment can be challenging. Nihon Kohden's polaris.one is designed to support smooth data transfer and efficient workflows by providing a central platform for all modalities. This user-friendly interface helps you streamline secure access to clinical data and patient information.



## polaris.one

Neurology

EEG	EMG/NCS	PSG
Epilepsy monitoring	EP	Ambulatory EEG
Research	Education	Autonomic nerve testing
cEEG	Cognitive potentials	Intraoperative monitoring

- User-friendly interface
- Simple data sharing

## The right solution for all requirements

For decades, Nihon Kohden neurodiagnostics solutions have been characterized by their durability and exceptional quality. We place particular emphasis on data compatibility, so that examination results can still be read in the years ahead, in a world of ever-shorter innovation cycles. Moreover, the current generation of systems offers impressive flexibility and capacity to integrate these devices into a wide variety of technological environments, and therefore provides an ideal answer for all neurophysiological diagnostic needs.

**Whatever the challenges within your neurophysiology environment, Nihon Kohden offers solutions to fulfill your specific needs – for simpler processes, streamlined workflows and superior patient care. Consult our experts and benefit from our extensive experience and resources in this field.**



# Neuropack X1



# Neuropack SB



## System specifications

### MEB-2300

- 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

## System specifications

### MEB-9600

- Measuring station for EMG, neurography and evoked potentials
- 2-channel or 4-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, blink reflex

### Optional

- BAEP, AEP, electrocochleography
- VEP, electroretinography
- Single Fiber EMG, Macro EMG
- Sympathetic skin reflex, microneurography, R-R interval
- P300





## Improving Healthcare with Advanced Technology

Since its foundation back in 1951, Nihon Kohden's mission has been to improve the quality of life with advanced technology. We provide solutions for diagnosis, critical care, clinical information, and in vitro diagnostics – and we are dedicated to collaborate with you to meet the challenges of healthcare today and tomorrow.

Visit [www.nihonkohden.com](http://www.nihonkohden.com) to find out more.

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