

NK's EEG-9100

Power, Performance and Portability

Why compromise signal quality for laptop portability? Nihon Kohden's EEG-9100 works for you when and where you need it—off-site, in-hospital or at a physician's office—with the same powerful performance as our EEG-1100.

Innovative Design

The EEG-9100's amplifier connects to the computer via a USB port. This eliminates the need for proprietary hardware within your computer, and offers you, for the first time, protection from product obsolescence and future capital outlay. When you need to upgrade to a new computer, simply plug in the amplifier via the USB port and load the software into your laptop, desktop or tower PC.

Superior Amplifier Technology

Our system offers a surprising amount of features in a small package and at a cost-conscious price. Recording capabilities include EEG, PSG, ICU/OR and LTM for epilepsy.

The JE-921, the latest addition to the Nihon Kohden amplifier family, provides configurability that is exclusive in the industry. With a full 10-20 electrode array, 14 bipolar inputs, built-in End tidal CO₂ and SpO₂, this new technology will increase ease of use and recording power for all types of EEG and polysomnographic recordings.

Software Solutions

Whatever your testing requirements, Nihon Kohden has the software solutions. Simplify ICU/OR monitoring with the addition of MagicMarker™, a program that provides a variety of CSA and DSA capabilities plus automated notification at events of interest – even over the WEB. Add NK's Polysmith™ Sleep Analysis Software for on-line staging and scoring capabilities, or include spike detecting software for assistance in identifying epileptiform activity.

Data Protection

Since inception, Nihon Kohden digital recorders have operated in state-of-the-art Windows™ environments, and the EEG-9100 is no exception. With full data compatibility assured, you can review recordings acquired on our earliest Windows systems on the EEG-9100. Or, review EEG-9100 tests on NK's earliest Windows based EEG units. Our promise of data compatibility, upwards and downwards, remains unsurpassed in the industry.

NK Delivers

Excellence begins with our high quality amplifiers. But, today's healthcare concerns have a higher level of expectation from diagnostic instruments and the companies that provide them. That's where Nihon Kohden comes in. From our Windows and open architecture platforms, to our networking solutions and service and support, NK delivers.



SPECIFICATIONS

Minimum PC Requirements

Operating system Windows XP Professional
Intel Core 2 Duo, 2.4 GHz, 2 GB Ram.
CD-RW & DVD-R+RW
NIC 10/100/1000

Data Processing

Optically Isolated
Input Impedance 100M Ω
CMRR: 105 db or greater
Internal noise level: less than 1.5mv p-p (0.53Hz to 60Hz)
High-cut filter: 15Hz to 300Hz (-18 db/oct.)
Low-cut filter: 0.08Hz (time constant: 2s) to 159Hz
AC filter: 50 to 60 Hz (rejection ratio: 1/25 or more)
A/D Conversion: 16 bits, simultaneous sampling
Sampling frequency: 100, 200, 500, 1,000 Hz
Impedance check: headbox and screen display

DIMENSIONS AND WEIGHT

Power supply unit: 110 (W) x 200 (D) x 75 (H) mm, 3.0 kg
PC unit: dimensions and weight vary depending on PC used
Electrode junction box JE-921: 185 (W) x 72 (D) x 167 (H) mm, 1.0 kg approximate

OPTIONS

Photic stimulator control unit
Mini junction box
Flash lamp assembly
Cart
Carrying case
Photic lamp carrying case
Printer
Spike detecting software
Polysmith™ Software
Multiview Software



*Windows is a registered trademark of Microsoft Corporation
Polysmith is a registered trademark of Neurotronic, Inc.
MagicMarker is a registered trademark of Persyst
Development Corporation*



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