



NEUROFAX EEG-1200 Pro
Electroencephalography System

Fighting Disease with Electronics

 **NIHON KOHDEN**

NEUROFAX EEG-1200 Pro

The Premium EEG

The EEG-1200 Pro is a modular EEG which has been specially developed for the customised demands of diagnostics. Thanks to its advanced and future oriented technology, it is more than able to meet the demands of today's networked medical facilities.

NIHON KOHDEN EEG input amplifier for your requirements

Multipurpose electrode input box – 38 channels with the highest signal quality and maximum reliability

In addition to its EEG, bipolar and DC channels, our innovative and sophisticated USB amplifier also offers integrated SpO₂- and CO₂-inputs.



- 10–20 system
- Bipolar inputs, e.g. for polysomnography (PSG)
- 4 DC input channels
- SpO₂/CO₂-inputs

Multichannel electrode input box – high temporal and spatial resolution EEG

Up to 192 channels for invasive and non invasive EEG diagnostics; can also be used for scientific applications.



- Sampling frequency of up to 10,000 Hz
- 64, 128 or 192 channels
- World's first simultaneous sampling 192-channel EEG

LAN input box converter – the interface for EEG studies over a network

The LAN converter makes it possible to perform EEG studies over the network, to control photostimulator and to connect additional DC channels.



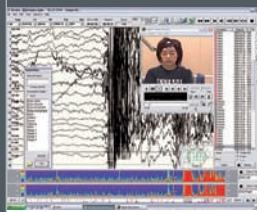
Signal transmission via LAN for:

- USB input amplifier
- Multichannel input amplifier
- Photostimulation
- 16 additional DC channels

EEG and video software: acquisition, review, data management

EEG and digital video – recording, analysis, evaluation

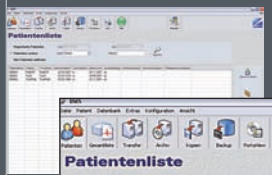
The Neurofax series' extensive standard software not only offers integrated frequency and amplitude mapping, but also a scope of functionality that goes far beyond what is normally available as standard.



- DSA, potential- and FFT-mapping
- High-resolution digital video
- Navigation bar for the study sequence
- Slideshow

Data Management System (DMS) – data management made easy

Powerful Neuro-DMS software makes managing and organising all patient, study and results data easy.

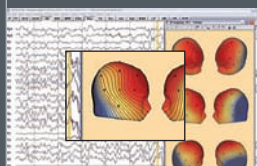


- All patient and measurement data can also be managed over the network
- Connection to hospital/clinic systems via HL7
- Connection to practice software via GDT/BDT

Software options – solutions for specialised requirements

EEGFocus™

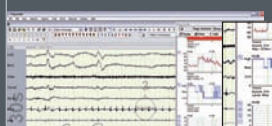
Software for EEG source analysis with source montages



- Correlation analyses
- DSA
- Potential-, CSD- and FFT-mapping

Polysmith™

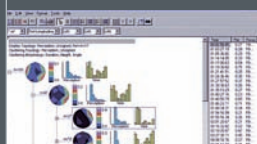
Automatic sleep analysis software



- Detection of sleep stages, respiratory events, PLMs, arousals etc.
- Extensive reporting functions also included

Spike- & Seizure-Detektor

Spike- and seizure detection for online and offline analysis



- Spike- and seizure detection
- Offline analysis of up to 128 channels in the EEG
- Graphical and analytical focus depictions