



Air-EEG WEE-1000

The first multi-channel EEG telemetry

Fighting Disease with Electronics

 **NIHON KOHDEN**

Air-EEG WEE-1000

The first multi-channel EEG telemetry

The Air-EEG telemetry system fills the gap between stationary EEG monitoring systems and EEG long-term recorders. Air-EEG enables online monitoring without restricting patients to their hospital bed – thus providing extended diagnostic possibilities. With up to 64 EEG and polygraphy channels, Air-EEG is ideally suited for long-term EEG monitoring in the field of epilepsy diagnostics and also in sleep laboratory applications.

System features

- W-LAN-based telemetry system for secure signal transmission
- Recording of up to 64 EEG channels or up to 30 EEG/polygraphy channels
- Additional 3 DC inputs, e.g. for pulseoximetry
- The receiver has a range of up to 50 metres inside buildings
- Integrated storage unit to save data if the patient should leave the receiver's range
- Battery life of up to 24 hours
- Evaluation with the standard programs of the Neurofax series

System configurations

Single Mode: standard system configuration in which one telemetry recorder communicates with one receiver.

Multi Receiving Mode: one receiver can receive data from up to three telemetry recorders simultaneously. This considerably reduces investment costs.

Roaming Mode: one telemetry recorder can communicate with up to three receivers that are connected via Ethernet (LAN). This dramatically increases the range of a recorder.

Extensions and options

Digital video

- Using the latest digital video technology, which is recorded synchronously to the telemetry EEG, opens up new diagnostic possibilities in online monitoring
- Easy-to-use zoom and editing functions

SpO₂ measurement

- SpO₂ measurement is carried out via a direct connection on the telemetry recorder

Software

Because of the system's compatibility with the Neurofax series you can use the same software programs and

modules to evaluate the telemetry data that you use for stationary recorded data. In addition to routine evaluation of the signals, this includes:

Software equipment

EEG Mapping

- Amplitude, spectral and frequency mapping
- Spectral analyses via individual channels and assemblies

EEG DSA* Trend

- Multi-channel DSA trend analyses and trend displays
- *(DSA = Density Spectral Array)

EEG Scope

- Online network monitoring with *EEG Scope Remote*
- Review during recording in EEG and video

EEG AnyWhere

- Create EEG/video data CDs without the need for software installations for playback. The program is started directly by the CD and all review functions are available.

NEURO DMS

- Efficient data management system for organising patient, examination data and findings

Software options

EEGFocus™ analysis software:

software for EEG source analysis with source assemblies, correlation analyses, DSA, Potential/CSD/FFT Mappings

Spike & Seizure Detector:

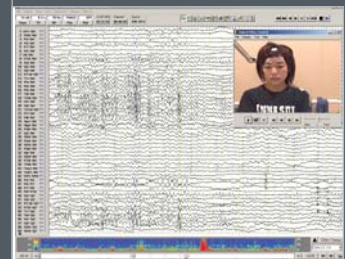
for online and offline detection of spikes and seizures in routine and long-term applications

Polysmith™ sleep analysis software:

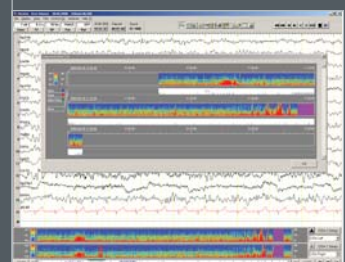
automatic sleep analysis software for detection sleep stages, respiratory events, PLMs, arousals etc; includes extensive report functions



Ergonomically shaped mini input boxes



Latest generation digital video



Multi-channel DSA trend analysis



Polysmith sleep analysis software