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NeuroEEG™

Wireless Electroencephalograph



Miniature, Portable,
Wireless EEG Device
that Fits in the Palm of your Hand

Manufactured by MemoryMD, Inc.
Learn more at www.memorymd.com

Intended Use

Product Overview

NeuroEEG™ is a 16-channel FDA cleared, clinical-grade device, intended for prescription use to acquire, record, transmit, and display electrical brain activity for patients of all ages.

NeuroEEG™ is a portable, versatile and compact miniature device that can easily be deployed across any number of different patient settings. Easy setup on NeuroEEG™ lets clinical staff of any level set up and run the EEG test under the supervision of physician.

NeuroEEG™ works in parallel with the NeuroCap™, a pre-gelled disposable EEG headset.



Fields of Application:

- Neurology
- Diagnostic Imaging
- Sports monitoring (Concussion/TBI)
- Clinical Trials
- Emergency Rooms
- Mobile Clinics

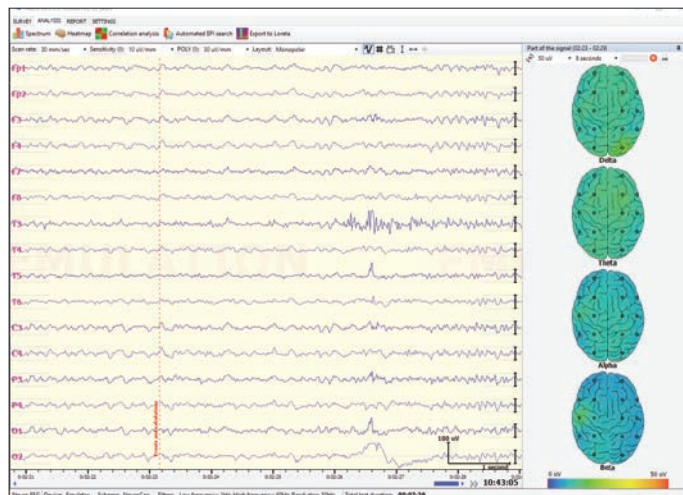
User-friendly intuitive NeuroEEG Software™ requires minimal training. The generated data serves as a clinical assessment aid within a clinical practice, rehabilitation institution, diagnostic center, neurosurgical clinics, OR, ICU, and ER environments. Data acquired by NeuroEEG™ is to be performed under the direction and interpretation of a licensed medical professional.

Key Features:

Portable and Wireless: Maximizes clinical mobility. Minimizes interference from cables or patient movement.

Minimal Training: Simple and user-friendly device can be used by the clinical staff of any level after 1-hour training.

Software Capabilities

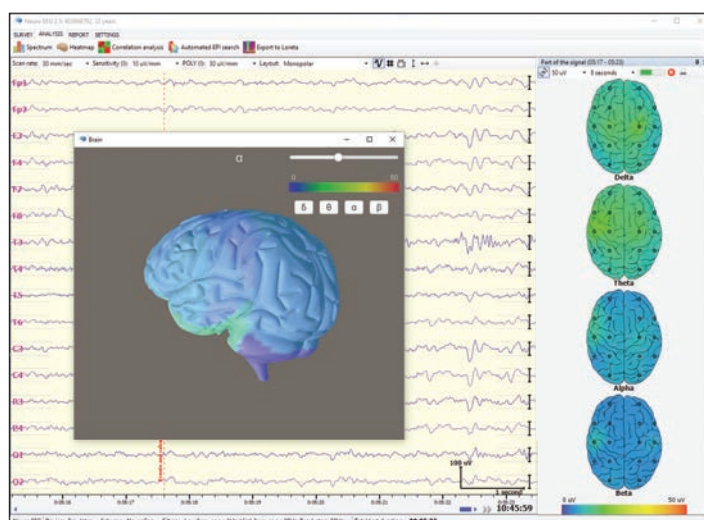


NeuroEEG™ Software provides analytics capabilities to health practitioners to better manage EEG data acquisition and analysis. In registration mode, EEG signal is recorded and displayed on the screen in accordance to the selected protocol scheme. The system also allows the user to annotate events (such as exhibited patient behavior, or unique artifact occurrences while the EEG test is running).

In analysis mode in-depth EEG assessment functions are available: including spectrum and correlation analysis, topographic mapping, pathological activity search by segments, and more.

Main Type of EEG Processing:

- Artifact selection mode
- Auto search of pathological activity segments
- EEG Synchronization video recording
- Quick view of long recordings with an auto mark of pathological segments
- Average rhythm amplitude calculations of each probe
- Calculating of slow wave activity
- Index and alpha rhythm frequency calculation
- Application schemes configuration (monopolar and bipolar), or any other standard scheme



3D color topographic mapping

Technical Specifications

Parameters	Value
Connection between NeuroEEG and computer	Bluetooth
Sampling rate per channel	500 Hz
Number of EEG channels	16
Range of measured amplitudes for each channel	±0.8V
Level of self-noise	
Amplifier working frequency	0 - 80 Hz
Duration of charge for full battery	4 hours
Duration of use for full charged battery	8 hours
Maximum distance for wireless connection	16 Feet or less
Exterior dimensions of registration module	2.3 x 2.9 x 0.6 Inches
Mass of registration module	0.12 lb.
Backup recording and reading EEG	Micro SD card
Power	Internal Battery
A/D Accuracy	24 bits;
Notch Filtering	100/60/50 Hz
Common Mode Rejection Ratio	>110 dB

