Enobio can record EEG with different types of sensors

Geltrode

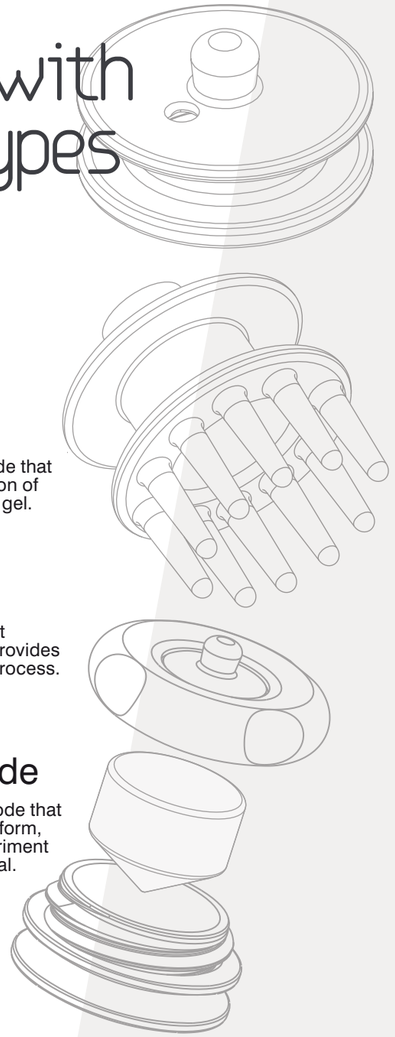
The standard electrode that requires the application of conductive electrode gel.

Drytrode

The dry electrode that requires no gel and provides a quick assembling process.

Solidgeltrode

The innovative electrode that uses gel – in its solid form, offering a clean experiment with high quality signal.



Enobio studies

Brain Computer Interface (BCI)

Placidi G, Petracca A, Spezialetti M, et al. (2016)

A modular framework for EEG web based binary brain computer interfaces to recover communication abilities in impaired people. J Med Syst (2016) 40: 34. doi:10.1007/s10916-015-0402-4

Alzheimer monitoring

Abbate S, Avvenuti M, & Light J. (2014)

Usability study of a wireless monitoring system among alzheimer's disease elderly population. International Journal of Telemedicine and Applications (2014):7. doi: 10.1155/2014/617495

Real-time EEG

Chang WD, Lim JH, & Im CH (2016)

Unsupervised eye blink artifact detection method for real-time electroencephalogram processing. Physiological measurement, 37(3), 401

Diagnosis

Mumtaz W, Vuong PL, Xia L, Malik AS, & Rashid RBA (2016)

Automatic diagnosis of alcohol use disorder using EEG features. Knowledge-Based Systems, 105, 48-59. doi: 10.1016/j.knosys.2016.04.026

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enobio NE®

EEG monitoring system suitable for clinical, emergency and home healthcare environments

NE®

CE Medical Device

NE neuroelectrics®

Non-invasive wireless multi-channel EEG recording device

Medical diagnosis
Neurofeedback treatments
Brain Computer Interfaces
Neuroscience research

Enobio complies with the European directive for medical devices

- Wireless & portable EEG system
- Available with 8, 20 and 32 channels
- Compatible with gel, dry and solid-gel sensors
- Cloud-connected technology

CE Certified

Europe: Enobio is a class IIa device according to the classification in the Council Directive 93/42/CEE for medical devices.

US CAUTION: US Federal Law classifies Enobio as an Investigational Device.

Canada: Enobio conforms with the Canadian Medical Device Regulations SOR/98-282

EEG on the cloud

Enobio is connected to NUBE cloud where EEG data is organized and analyzed

- Manage subjects and EEG experiments.
- Collect and centralize multi-center EEG data.
- Generate data reports on the cloud.

EEG data

EEG experiment data

nube NE®

Data Analysis services

cirrus NE®
Data Analysis

NIC is a powerful interface software that includes:

Real-time EEG monitoring and analysis.
Scalp and cortical mapping of brain activity.
Spectrum, spectrogram and band power plots.
External triggering options.