

Enobio can record EEG with different types of sensors



Geltrode

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



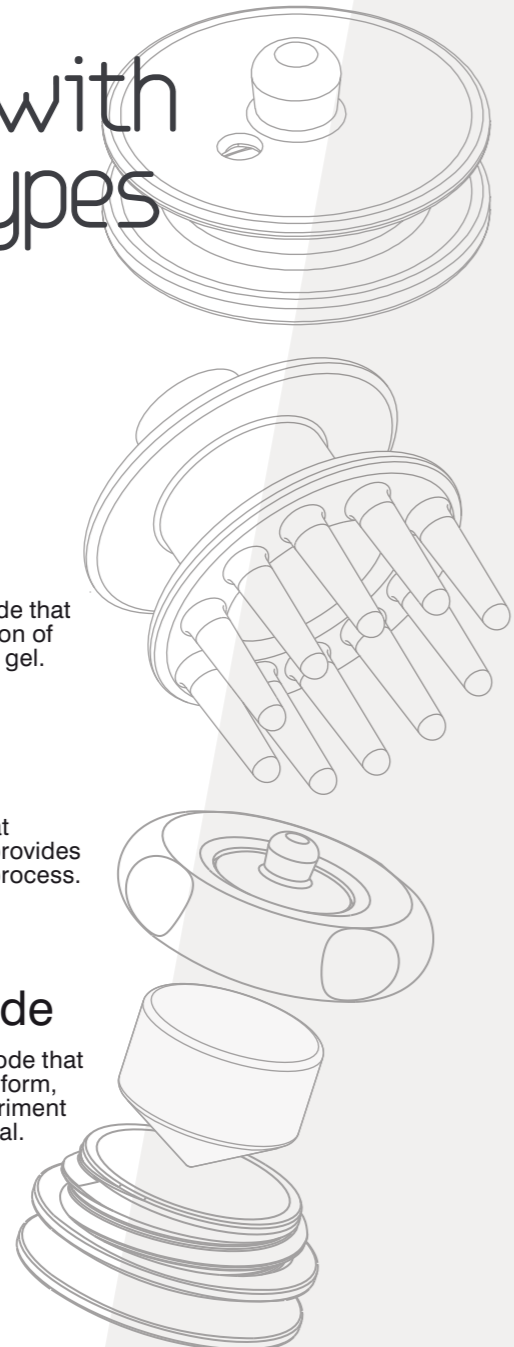
Drytrode

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.



Mobile, Wireless, Wearable Real time EEG

Applications

- EEG monitoring in neurological conditions
- Brain computer interfaces (BCI)
- Mobile Brain Imaging (MoBI)
- Research/Consumer Neuroscience
- Neuroergonomics
- EEG Hyperscanning

Functionalities

- ECG/EOG/EMG sensors
- ERP/EEG millisecond wireless synchronization
- Online EEG Analysis
- Open EEG Data Access

Recommended Publications

- Leminen MM, et al., (2017). Enhanced memory consolidation via automatic sound stimulation during non-REM sleep. **Sleep** 40, 1–10.
- Andreu-Sánchez C, et al. (2017) Eyeblink rate watching classical Hollywood and post-classical MTV editing styles, in media and non-media professionals. **Scientific Reports** 7,43267. PMID: 28220882
- Awais M, et.al., (2017) A Hybrid Approach to Detect Driver Drowsiness Utilizing Physiological Signals to Improve System Performance and Wearability. **Sensors** 17(9),1991.
- Hsu W-Y, et al., (2017) Enhancement of multitasking performance and neural oscillations by transcranial alternating current stimulation. **PLoS One** 12:e0178579. PMID 28562642
- Grau C, et al., (2014) Conscious brain-to-brain communication in humans using non-invasive technologies. **PLoS One** 9, 1–6.



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enobio^{NE®}

Robust, precise
and wireless EEG
monitoring
system

NE[®]

FDA Cleared
CE Medical Device



NE
neuroelectrics®

mobile
wireless
multi-channel EEG
recording device

Medical diagnostics
User affective state
Brain Computer Interface
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



USA: Enobio is a Class II device FDA cleared for clinical use.
Europe: Enobio is a class IIa device according to the classification in the Council Directive 93/42/CEE for medical devices.
Canada: As a Class II device, Enobio conforms with the Canadian Medical Device Regulations SOR/98-282.



EEG data →

Signals you can trust

Quality EEG made easy
Advanced development tools

Medical grade device system

24-bit raw data quality sampling

Quick set-up with dry electrodes or solidgel

Triaxial accelerometer



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 for wireless ERPs.
Live data streaming using LSL or TCP/IP.