

enobio^{NE®}

ROBUST
PRECISE
WIRELESS
EEG

NE
neuroelectronics[®]



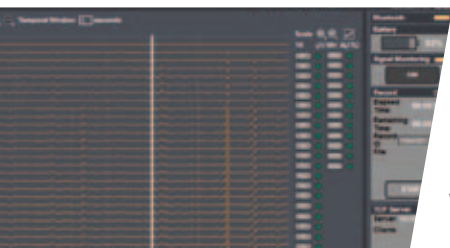
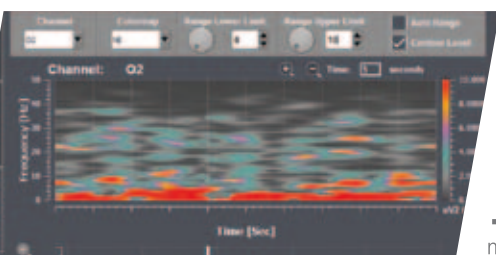
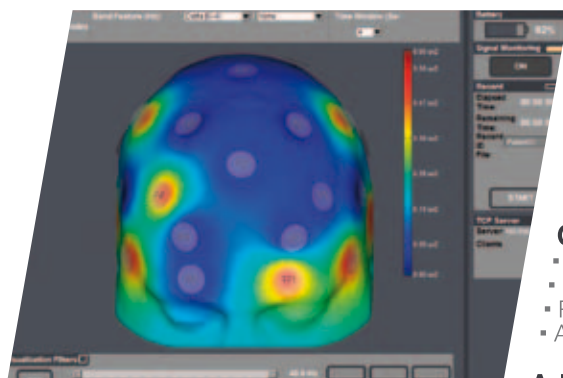
EEG monitoring device
Mobile brain signal sensing

Applications
Brain Computer Interface
Medical applications
Basic research
User affective state
Neurofeedback training

Available
with 8, 20 or 32
channels

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neuroelectrics®



Signals you can trust

- Get the reliability of a wired system without the wires.
- Faithful reproduction of the EEG, EOG (EOG correction), EMG, and ECG signals.
- Quantitative EEG (QEEG) capabilities.
- Optional Galvanic Skin Response (GSR) monitoring.

Quality EEG made easy

- Start recording in less than one minute.
- Easily visualize and manage your data.
- Record where and when you want.
- Available with wet or dry electrodes.

Advanced Development Tools

- Advanced Development Toolsull API to build your own applications.
- Work with raw data.
- Visualize time-frequency 2D/3D features in real time (power spectrum, spectrogram, band features, scalp map...)
- OpenVibe, BCI2000 support.
- Send SW markers through LSL and HW markers through an external TTL trigger adapter.
- Neurosurfer - 2D/3D animation software for neurofeedback integrated with immersive 3D VR Oculus (optional).

- Number of channels:** 8 or 20 or 32
- Bandwidth:** 0 to 250 Hz.
- Sampling rate:** 500 SPS
- Resolution:** 24 bits - 0,05 uV
- Noise:** <1 uV rms from 0 to 250 Hz.
- Common mode rejection ratio:** -115 dB
- Communication:** Bluetooth 3.0 and 2.1
- Output:** EDF+, ASCII data files or TCP/IP raw data streaming
- Operating time:** XXXXX hours
- Dimensions:** 60 x 85 x 20 mm.
- Weight:** 65 - XX g
- Artifact resilience:** Yes
- DC coupled:** Yes, measurement band from 0 to 250 Hz.
- Accelerometer Data Recording** 3 axis at 100 S/s
- MicroSD card interface:** Holter mode data storage
- Operating system** Windows 7, Windows 8, Windows Vista, MAC OS X
- ERP** experiments with a sub-sample accuracy
- Hardware TTL trigger** (optional)
- Caps** available in different sizes or custom sizes

Package content

ENOBIO 8 CHANNEL SYSTEM:	ENOBIO 20 CHANNEL SYSTEM:	ENOBIO 32 CHANNEL SYSTEM:
1 NE010 ENOBIO8 NECBOX	1 NE009 ENOBIO32 NECBOX	1 NE011 ENOBIO20 NECBOX
1 NE013 microUSB NECBOX charger	1 NE013 microUSB NECBOX charger	1 NE013 microUSB NECBOX charger
1 NE014 Curved Syringe	1 NE014 Curved Syringe	1 NE014 Curved Syringe
1 NE015 USB card with software	1 NE015 USB card with software	1 NE015 USB card with software
1 NE016 Gal Bottle 60d	1 NE016 Gal Bottle 60d	1 NE016 Gal Bottle 60d
1 NE017 10 Electrode cable	1 NE017 10 Electrode cable	1 NE017 10 Electrode cable
1 NE018a 10 Electrode cable	1 NE018a 10 Electrode cable	1 NE018a 10 Electrode cable
1 NE019 Neoprene HeadCap	1 NE019 Neoprene HeadCap	1 NE019 Neoprene HeadCap
1 NE020 Neoprene Headband	1 NE018b 12 Electrode cable	1 NE018b 12 Electrode cable
4 NE021 Frontal dry electrode front-end	1 NE018c 12 Electrode cable	1 NE019 Neoprene HeadCap
8 NE022 Gal electrode front-end	1 NE019 Neoprene HeadCap	1 NE020 Neoprene Headband
25 NE025 Adhesive Electrode Front-end	1 NE020 Neoprene Headband	4 NE021 Frontal dry electrode front-end
1 NE031 USB Bluetooth Dongle	4 NE021 Frontal dry electrode front-end	25 NE022 Gal electrode front-end
76 g weigh	50 NE025 Adhesive Electrode Front-end	50 NE025 Adhesive Electrode Front-end
16 14 hours operation time	1 NE031 USB Bluetooth Dongle	1 NE031 USB Bluetooth Dongle
	77 g weigh	86 g weigh
	14 hours operation time	13 hours operation time

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ISO
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CE mark approved.
Investigational
device under
US federal law