

EPOC Flex Gel Sensor Kit



Our EPOC Flex Gel Kit contains all the features of a traditional EEG system, with the exciting addition of portability. It includes silver silver-chloride sensor tips, conductive gel and wires that connect to a compact control box fitted to the cap, enabling completely mobile and contextual EEG data acquisition.

Select your cap size at purchase and configure your sensor positions in the laboratory to suit your needs (initial set up time approximately 20-30 minutes).

ESTIMATED SHIPPING FOR GEL KITS IS 4 WEEKS

Includes:

EPOC Flex Control Box

with USB charging cable

Universal USB Receiver

for wireless transmission (BTLE not supported)

EPOC Flex Cap

choose from 54cm, 56cm or 58cm

EPOC Flex Gel Sensors

34 sintered silver-silver chloride gel sensors + compatible ear clips

[Learn more](#) about choosing a capsize. [Contact support](#) for additional sizes, or cuts suited specifically for Asian heads.

Requires [PRO License](#) for use.

Note: Cap and Electrodes are non-refundable. Estimated shipping: 4 weeks after purchase.

Disclaimer – EMOTIV products are intended to be used for research applications and personal use only. Our products are **not sold as medical devices** — as defined in EU directive 93/42/EEC. Our products are not designed or intended to be used for diagnosis or treatment of disease.

[DESCRIPTION](#)

- **ADDITIONAL INFORMATION**

EEG support

Up to 32 channels: configurable

2 references: CMS/DRL configurable in any 10-20 location or on ears (compatible ear clips for sensors included)

Available data: raw EEG and frequency band data. Requires [PRO License](#) for use.

EEG signals

Sampling method: Sequential sampling, single ADC

Sampling rate: 1024 internal downsampled to 128 SPS.

Resolution: 14 bits with 1 LSB = 0.51 μ V (16 bit ADC, 2 bits instrumental noise floor discarded), compressed maximum slew rate 32 μ V per sample.

Bandwidth: 0.16 – 43Hz, digital notch filters at 50Hz and 60Hz

Dynamic range (input referred): 8400 μ V(pp)

Coupling mode: AC coupled

EEG sensors

Electrode count: 32 recording electrodes, 2 reference electrodes

Sensor material: sintered silver-silver chloride, compatible with gel

Size: profile height – 3.5 mm; central opening diameter – 6 mm

Wire length: 36 cm

Manufacturer: EasyCap

Cap

Available sizes: 54 cm, 56 cm, 58 cm. [Learn more](#) about choosing a cap size.

Openings: 72 in the standard 10-20 positions

Pockets for control box: At approximately Iz (for awake studies) and Cz (for sleep studies).

Manufacturer: EasyCap

Motion sensors*

IMU part: ICM-20948

Quaternions: normalized, 4D

Accelerometer: 3-axis +/-8g

Magnetometer: 3-axis +/-112 gauss

* *Software support for motion data coming soon.*

Connectivity

Proprietary USB receiver (included): 2.4GHz band

USB 2.0+ (only available with EMOTIV Extender)

Micro USB cable (included): for charging

Supported platforms

Windows: 7,8,10; 8GB RAM; 500MB available disk space

MAC: OS 10.10 or above; 8GB RAM; 500MB available disk space

Power

Battery: Internal Lithium Polymer battery 640mAh

Battery life: up to 9 hours