

DATA SHEET

## DEC 23

Disposable EEG cap with 23 passive Ag/AgCl scalp electrodes according to the international 10-20 system.

REF	Size	Head circumference	
006-2-014	L	54-60 cm	21" - 23 5/8"
006-2-015	M	48-54 cm	19" - 21"
006-2-016	S	42-48 cm	16 1/2" - 19"



### AREA OF APPLICATION

Neurology, neuroscience, neurophysiology, functional diagnostics.

### SET

- DEC 23 - 5 pcs.

### DESCRIPTION

DEC 23 is disposable electrodes system made of polycarbonate based film with applied conductive paths and sensors electrodes. The DEC 23 has self-fix construction with integrated adhesive tape on the forehead, behind the ears and can be adjusted by sideline fixation. For this design, there are additional holes located near the electrodes for adding conductive gel. Common connector is placed on the back of a head for the EEG registration in sitting position. DEC could be connected to amplifier directly or via a special adapter.

### Necessary reusable accessories:

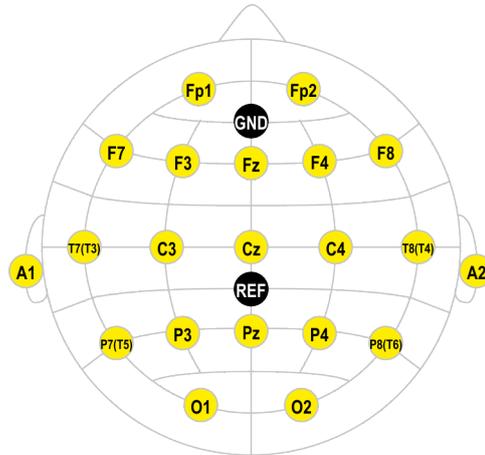
- Adapter DEC23-DB25 for connection DEC with 23 electrodes to EEG amplifier with common connector DB-25F
- Adapter TP2DB25F-DEC23 for connection EEG cap with common connector DB-25M to any EEG amplifier via TouchProof 1.5 mm connectors



## TECHNICAL DATA

Number of EEG electrodes	23
Electrode positions	Fp1, Fp2, F3, F4, F7, F8, Fz, Cz, C3, C4, Pz, T3, T4, P3, P4, A1, A2, T5, T6, O1, O2, GND(@AFz), REF(@CPz)

Scheme of electrode arrangement



#23EM23

Electrode polarization	< 15 mV
Electrode noise	< 2 $\mu$ V p-p in the passband of 1 Hz to 75 Hz
Electrode impedance	less 1 kOhm in the passband of 0.15 Hz to 75 Hz
Material of electrode conductive surface	Ag/AgCl
Diameter of the sensor surface	10 mm
Sterility	non sterile
Electrode condition	without gel, need to add EEG conductive gel or paste by self
Available sizes	L (54 – 60 cm), M (48 - 54 cm), S (42 - 48 cm)
Set up time	3-5 minutes
Work duration after the package opening	24 hours, with add of gel every 4 hours
Storage of the opened package	1 month
Amount in a package	5 pcs.
Net weight	15 $\pm$ 1 g
Gross weight	75 $\pm$ 5 g
Dimensions of package (LxWxH)	490x460x15 $\pm$ 20 mm

