

## MCScap-T electrode

Thin cup Ag/AgCl sintered electrode for EEG recording with TouchProof 1.5 mm connector, cable length 1.2 m.

### REF

003-0-102



### INTENDED USE

Routine EEG, sleep EEG, research EEG, high resolution EEG, TMS-EEG.

### SET

- MCScap-T electrode.

### DESCRIPTION

MCScap-T is a thin cup Ag / AgCl sintered electrode for EEG recording. MCScap-T is designed for maximum patient comfort during examination in lying down position, for example, during sleep EEG or for examination of newborns. The design of this electrode is the most preferred for conducting combined TMS-EEG studies. The Ag / AgCl sintered electrode material guarantees minimum polarization and long-term signal stability, as well as an increased electrode life. The conductive surface of the MCScap electrodes is not in direct contact with the skin. Contact is provided by a conductive substance. A hole in the electrodes is provided to add a conductive gel. Use with conductive paste is possible. The electrode has a universal connector TouchProof 1.5 mm, which fits most EEG amplifiers.

### SPECIFICATION

Material of electrode conductive surface	Ag/AgCl sintered
Electrode body material	polyurethane
Square of electrode conductive surface	7 mm <sup>2</sup>
Internal diameter of the electrode at the point of contact of the electrode contact substance with the skin	6 mm
Surface area of contact of the electrode substance with the skin	28.3 mm <sup>2</sup>
Outer diameter of the electrode at the point of contact with the skin	11.5 mm
Distance from the skin to the electrode conductive surface	1.6 mm
The diameter of the hole in the electrode to add gel	2.8 mm
Electrode polarization	≤ 50 mV
Resistance of electrodes insulation	≥ 1000 MΩ
Dielectric strength of electrodes insulation	1500 V
The impedance of the electrode	≤ 5 kΩ



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Electrode cable length	1.2 ±0.05 m
Connector type	TouchProof 1.5 mm (DIN 42 802-ST)
Use with MCScap® textile caps	yes, fixing directly in the holes of the cap
Net weight	< 4 g
Gross weight	< 4 g

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