

MCScap-T-HD electrode

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



REF

003-0-702

INTENDED USE

Routine EEG, high resolution EEG.

SET

- MCScap-T-HD electrode.

DESCRIPTION

MCScap-T-HD is a thin Ag/\AgCl sintered EEG electrode based on a MCScap-T electrode. The MCScap-T-HD has a reduced body diameter for high-resolution EEG recording. The thin body provides patient comfort when examining in a supine position. 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 designed to prepare the skin with a scrub and add an electrically 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 ²
Internal diameter of the electrode at the point of contact of the electrode contact substance with the skin	6.4 mm
Surface area of contact of the electrode substance with the skin	28.3 mm ²
Outer diameter of the electrode at the point of contact with the skin	10 mm
Distance from the skin to the electrode conductive surface	1.6 mm
The diameter of the hole in the electrode to add gel	3.2 mm
Electrode polarization	≤ 50 mV



Resistance of electrodes insulation	$\geq 1000 \text{ M}\Omega$
Dielectric strength of electrodes insulation	1500 V
The impedance of the electrode	$\leq 5 \text{ k}\Omega$
Electrode cable length	$1.2 \pm 0.05 \text{ m}$
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

