DATA SHEET

Electrode cap PROFESSIONAL-NT

Textile cap with preinstalled Ag/AgCl sintered MCScap-NT electrodes with DB-25M common connector.

REF	Size	Head circumference
003-3-045	XL	60-66 cm
003-3-046	XL/L	57-63 cm
003-3-047	L	54-60 cm
003-3-048	L/M	51-57 cm
003-3-049	M	48-54 cm
003-3-050	M/S	45-51 cm
003-3-051	S	42-48 cm
003-3-052	S/XS	39-45 cm
003-3-053	XS	36-42 cm
003-3-264	Inf I	32-36 cm
003-3-265	Inf II	28-32 cm
003-3-266	Inf III	24-28 cm

INTENDED USE

For registration of electrical potentials of the cerebral cortex (EEG).

SET

- Electrode cap PROFESSIONAL-NT,
- spare electrode,
- User Manual,
- bag.

DESCRIPTION

Electrode cap PROFESSIONAL-NT is the textile cap with pre-installed Ag/AgCl sintered MCScap-NT electrodes with DB-25M common connector. Electrode cap PROFESSIONAL-NT is recommended for routine EEG, research EEG, hight-resolution EEG*.
(*optional)

The electrode cap is designed for use with electroencephalographs and biological signal amplifiers.

Textile cap is made of elastic material, preserving the shape and size. The cap provides the exact position of the electrodes on the head without additional measurements and adjustments. Large holes are provided for ventilation and access to the electrodes and patient's skin.The cap is fixed on the head with the chin or chest belt. The caps are marked according to the 10-10 system. Size identification is carried out by the color of the material or by the color of the seam.

MCScap-NT is a cup Ag / AgCl sintered electrode for EEG recording. MCScap-NT is designed for research requiring increased patient comfort for a long time. 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. Electrode have additional labeling what makes easy to rearrange them to new textile base.

Location of the output of the electrode cable from the cap (the point where the individual electrode leads are assembled into a common patient cable) is placed on the top of the head for comfortable EEG recording in the lying position.

SPECIFICATION

Types of EEG examinations	routine EEG, scientific EEG, high density EEG.
Recommended body position during examination	sitting position, lying position
Electrode	 MCScap-NT
Material of electrode conductive surface	Ag/AgCl sintered
Electrode body material	plastic
The need to use an electrode contact substance	required
Internal diameter of the electrode at the point of contact of the electrode contact substance with the skin	8 ±0.3 mm
The diameter of the hole in the electrode to add gel	2.8 ±0.3 mm
Impedance	1 kΩ (max)
Offset voltage	100 mV (max)
Internal noise	150 µV
DC voltage offset	100 mV (max)
Cable length	1.5 m
Location of the output of the electrode cable from the cap	top of the head
Ear electrodes	no
Marking of the textile cap	yes
Marking of the electrodes	yes
Gross weight	< 900 g