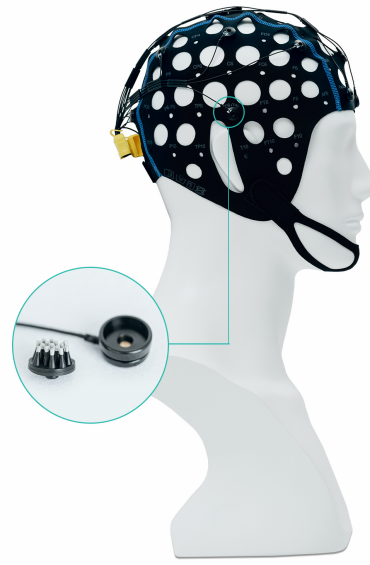


Electrode cap DRY cap for NeoRec 16

Electrode cap for EEG system NeoRec 16 with dry EEG electrodes MCScap-DrP1.

REF	Size	Head circumference
003-5-081	XL	60-66 cm
003-5-082	XL/L	57-63 cm
003-5-083	L	54-60 cm
003-5-084	L/M	51-57 cm
003-5-085	M	48-54 cm
003-5-086	M/S	45-51 cm
003-5-087	S	42-48 cm
003-5-088	S/XS	39-45 cm
003-5-089	XS	36-42 cm



INTENDED USE

EEG acquisition.

SET

- Electrode cap DRY cap for NeoRec 16,
- MCScap-DrP1 ear electrode with TouchProof 1.5 mm connector - 1 pc.,
- MCScap-AT ear fixator - 1 pc.


DESCRIPTION

Electrode cap DRY cap for NeoRec 16 is the textile cap with pre-installed dry passive Ag/AgCl MCScap-DrP1 electrodes with common connector for NeoRec 16 amplifier. The ear electrode is connected to the common connector through the TouchProof 1.5 mm (DIN 42 802-BU) connector for the possibility of replacing it with another electrode or signal source. The electrode cap is designed for non-invasive registration EEG when used with the EEG amplifier. The electrode cap is a reusable device.

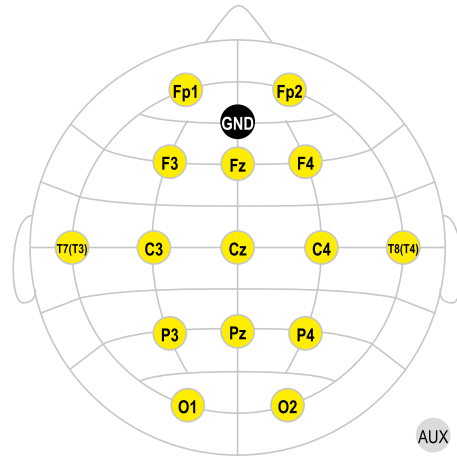
Textile cap is made of elastic material, preserving the shape and size. The cap provides the exact position of the electrodes on the head without additional measurements and adjustments. Large holes are provided for ventilation and access to the electrodes and patient's skin. The cap is fixed on the 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 seam.

MCScap-DrP1 is a dry passive electrode for EEG acquisition. The electrode is used with Datawyler's SoftPulse™ sensors in a brush style with three different protrusion lengths. This design allows contact with the skin without adding gel. The Ag/AgCl electrode material guarantees minimum polarization and long-term signal stability. Electrode have additional labeling what makes easy to rearrange them to new textile base.

SPECIFICATION

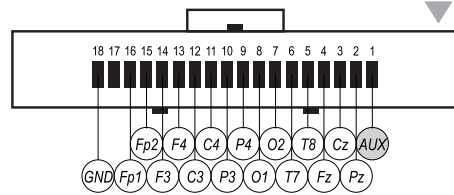
Model of electrode cap	DRY cap for NeoRec 16
Electrode	 MCScap-DrP1
Model of textile cap	MCScap textile cap
Cable length	5 cm
Location of the output of the electrode cable from the cap	back of the head
Marking of the textile cap	yes
Marking of the electrodes	yes
ear electrode with TouchProof 1.5 mm connector	MCScap-DrP1 - 1 pc.
Weight of EEG cap	< 350 g
Electrode type	passive
Material of electrode conductive surface	Ag/AgCl
The need to use an electrode contact substance	not required
Compatible sensors	SoftPulse™ (Datawyler): Flat, Medium, Long
Ingress Protection	IP67 (with sensor installed)
Electrode polarization	≤ 50 mV
Resistance of electrodes insulation	≥ 1000 MΩ
Dielectric strength of electrodes insulation	1500 V
The impedance of the electrode	≤ 5 kΩ
Connector type	ST40X-18S
Number of EEG electrodes	16 + 1 removable ear electrode
Electrode positions	FP1, FP2, O1, O2, F3, F4, C3, C4, P3, P4, T7, T8, Fz, Cz, Pz, GND, AUX
Additional pins	AUX (1*) - built-in connector TouchProof 1.5 mm (DIN 42 802-BU) for connecting an ear or other additional electrode.

Scheme of electrode arrangement
 Manufacturer's code



#76M17

Pin layouts of common connector
 Manufacturer's code



#76-01M17