

# Comparison of TES electrodes MCScap



Name	MCScap-CS22	MCScap-CS22SS	MCScap-NT
Material of electrode conductive surface	Ag/AgCl	Low Corrosion Stainless Steel AISI 316	Ag/AgCl sintered
Case color	white	red, black	black
Electrode body material	polyurethane	polyurethane	polyurethane
Square of electrode conductive surface	176 mm <sup>2</sup>	176 mm <sup>2</sup>	26 mm <sup>2</sup>
Internal diameter of the electrode at the point of contact of the electrode contact substance with the skin	22 mm	22 mm	8 mm
Surface area of contact of the electrode substance with the skin	380 mm <sup>2</sup>	380 mm <sup>2</sup>	50.2 mm <sup>2</sup>
Outer diameter of the electrode at the point of contact with the skin	26 mm	26 mm	11.9 mm
Distance from the skin to the electrode conductive surface	2.5 mm	2.5 mm	1.1 mm
The diameter of the hole in the electrode to add gel	2.8 mm	2.8 mm	2.8 mm
Maximum allowed current through the electrode in the stimulation mode	10 mA	10 mA	—
Maximum operating voltage	100 V	100 V	—
Electrode polarization	≤ 50 mV	≤ 50 mV	≤ 50 mV
Resistance of electrodes insulation	≥ 1000 MΩ	≥ 1000 MΩ	≥ 1000 MΩ
Dielectric strength of electrodes insulation	1500 V	1500 V	1500 V
The impedance of the electrode	≤ 5 kΩ	≤ 5 kΩ	≤ 5 kΩ
Electrode cable length	1.2 m	1.2 m	1.2 m
Connector type	touchProof 1.5 mm (DIN 42 802-ST)	touchProof 1.5 mm (DIN 42 802-ST)	touchProof 1.5 mm (DIN 42 802-ST)
Use with MCScap® textile caps	yes, fixing directly in the holes of the cap	yes, fixing directly in the holes of the cap	yes, fixing directly in the holes of the cap
Net weight	< 8 g	< 8 g	< 4 g