

Comparison of electrodes MCScap



Name	MCScap-E	MCScap-T	MCScap-NTC	MCScap-C	MCScap-NTH	MCScap-NT	MCScap-TC	MCScap-StTC	MCScap-StNT
Sensor type	BMP2	BMP2	BMP7	PCB7	BMP7	BMP7	PCB7	PCB7	BMP7
Material of electrode conductive surface	Ag/AgCl sintered	Ag/AgCl sintered	Ag/AgCl sintered	Ag/AgCl	Ag/AgCl sintered	Ag/AgCl sintered	Ag/AgCl	Ag/AgCl	Ag/AgCl sintered
Electrode body color	black	black	black	white	black	black	white	white	black
Electrode body material	polyurethane	polyurethane	polyurethane	polyurethane	polyurethane	polyurethane	polyurethane	polyurethane	polyurethane
Square of electrode conductive surface	4 mm ²	7 mm ²	26 mm ²	26 mm ²	26 mm ²	26 mm ²	26 mm ²	26 mm ²	26 mm ²
Internal diameter of the electrode at the point of contact of the electrode contact substance with the skin	8 mm	6 mm	10 mm	10 mm	7 mm	8 mm	8 mm	8 mm	8 mm
Surface area of contact of the electrode substance with the skin	50,2 mm ²	28,3 mm ²	78,5 mm ²	78,5 mm ²	38,5 mm ²	50,2 mm ²	50,2 mm ²	50,2 mm ²	50,2 mm ²
Outer diameter of the electrode at the point of contact with the skin	15,8 mm	11,5 mm	15 mm	15 mm	11,4 mm	11,9 mm	11,9 mm	11,9 mm	11,9 mm
Distance from the skin to the electrode conductive surface	0,7 mm	1,6 mm	3,2 mm	3,5 mm	3,7 mm	1,1 mm	1,1 mm	1,1 mm	1,1 mm
The diameter of the hole in the electrode to add gel	2,8 mm	2,8 mm	2,8 mm	2,8 mm	2,8 mm	2,8 mm	2,8 mm	2,8 mm	2,8 mm
Electrode polarization	≤ 50 mV	≤ 50 mV	≤ 50 mV	≤ 50 mV	≤ 50 mV	≤ 50 mV	≤ 50 mV	≤ 50 mV	≤ 50 mV
Resistance of electrodes insulation	≥ 1000 MΩ	≥ 1000 MΩ	≥ 1000 MΩ	≥ 1000 MΩ	≥ 1000 MΩ	≥ 1000 MΩ	≥ 1000 MΩ	≥ 1000 MΩ	≥ 1000 MΩ
Dielectric strength of electrodes insulation	1500 V	1500 V	1500 V	1500 V	1500 V	1500 V	1500 V	1500 V	1500 V
The impedance of the electrode	≤ 5 kΩ	≤ 5 kΩ	≤ 5 kΩ	≤ 5 kΩ	≤ 5 kΩ	≤ 5 kΩ	≤ 5 kΩ	≤ 5 kΩ	≤ 5 kΩ
Cable diameter	1,5 mm (1 mm)	1 mm	1 mm (1,5 mm)	1,5 mm (1 mm)	1 mm	1 mm (1,5 mm)	1,5 mm (1 mm)	1,5 mm	1,5 mm
Electrode cable length	1,2 ±0,05 m	1,2 ±0,05 m	1,2 ±0,05 m	1,2 ±0,05 m	1,2 ±0,05 m	1,2 ±0,05 m	1,2 ±0,05 m	1,0 ±0,05 m	1,2 ±0,05 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)	TouchProof 1,5 mm (DIN 42 802-ST)	TouchProof 1,5 mm (DIN 42 802-ST)	TouchProof 1,5 mm (DIN 42 802-ST)	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 textile caps MCScap®	yes, in fixing rings	yes, in the cap holes directly	yes, in the cap holes directly	yes, in the cap holes directly	yes, in the cap holes directly	yes, in the cap holes directly	yes, in the cap holes directly	yes, in the cap holes directly	yes, in the cap holes directly
Use with tubular caps	—	—	—	—	—	—	—	yes	yes
MCScap electrode cap model	BASE	SLEEP	PROFESSIONAL	CLINIC	—	PROFESSIONAL-NT	CLINIC-TC	—	—
Net weight	< 7 g	< 4 g	< 4 g	< 4 g	< 5 g	< 4 g	< 4 g	< 4 g	< 4 g