

BrainCap MR | Brain Products GmbH > Solutions

BrainCap MR	Technical specifications
Features	
Standard cap	Sub-Inion fabric with integrated chin belt, white
Fabric	Sizes 52 – 64: High precision fabric Sizes 50 and smaller: High comfort fabric
Current limiting resistors	EEG channels: 10 k Ω (5 in electrode and 5 in connection box) ECG channel: 20 k Ω (15 in electrode and 5 in connection box) REF: 15 k Ω (10 in electrode and 5 in connection box) GND: 15 k Ω (10 in electrode and 5 in connection box)
Electrode type	Multitrodes for MR with sintered Ag/AgCl sensors
Electrode height	3.8 mm
Cable tree length (including connector box)	31 cm
MR safety label	MR conditional
Compulsory choices	
Sizes (head circumference)	Adult caps: 54, 56, 58, 60, 62, 64 Children caps: 50 (3-4 years), 52 (5-10 years), 54 (11-14 years) Infant caps: 36 (newborn), 38, 40 (3 months), 42, 44 (7 month), 46, 48 (2 years)
Number of channels	32 (for all sizes) 64 (for size 42 and larger) 96, 128 (for size 52 and larger)
Cuts	A-Cut or C-Cut
Cable tree exit point	CPz (standard) or FFCz (to fit Siemens 64 channel head coil)
Additional options	
Carbon wire loops	4 bipolar loops at left-frontal, right-frontal, left-parietal, and right parietal locations
Miscellaneous	
Suitable for use in MR scanner room	Yes, up to 3 T. MR conditional, i.e. guidelines must be observed
Medical device	No
CE marking	The Brain Products GmbH confirms the RoHS compliance of this product according to Directive 2011/65/EU of the European Parliament and the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (recast published in the Official Journal of the European Union on 1 July 2011) as well as all its amendments up to and including the Commission delegated directive (EU) 2015/863 of 31 March 2015 (published in the Official Journal of the European Union on 4 June 2015). The CE marking is based on the RoHS compliance.