

actiCAP Xpress Twist | Brain Products GmbH > Solutions

Technical specifications	actiCAP Xpress Twist
Features	
Sizes (cm)	Adults: L/M, L, XL/L, XL Children: M
Fabric	Neoprene red (size M) blue/red (size L/M) blue (size L) green/blue (size XL/L) green (size XL)
Electronics	
Amplification	1
Input impedance	> 200 MΩ
Operating frequency	DC - 5,000 Hz
Inherent noise (including electrode noise)	< 2 µVpp for 0.1 – 35 Hz band
Dynamic range	±1000 mV
Offset voltage	< 20 mV (incl. electrode offset) measured in 0.9% saline (NaCl)
Electrodes	
Electrode type	Active dry electrode with gold coated dry sensors
Height	Electrode with holder: Approx. 15 mm
Diameter	Electrode enclosure: Approx. 14 mm
QuickBit Length	Long QuickBit (yellow): 12 mm Long QuickBit (red): 14 mm Flat QuickBit T: 10 mm
QuickBit Diameter	Flat QuickBit T: 12 mm
Number of channels	8, 16, 32
Cable length	Electrode: 65 cm Flat ribbon: 100 cm LiveAmp: Connectorbox, no flat ribbon cable
Miscellaneous	
Suitable for use in MR scanner room	No
Medical device	No
CE marking	Brain Products GmbH confirms the electromagnetic compatibility (EMC) of this product according to the Directive 2014/30/ EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility. Brain Products GmbH confirms the RoHS compliance of this product according to the 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).