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BIP2AUX adapter

Technical specifications

Number of channels	1 differential for EMG / ECG / EEG acquisition
Power supply	± 3 to ± 5 V, max. 1 mA
Input range	± 50 mV
Output range	Negative supply voltage +0.2 V to positive supply voltage -0.2 V Virtual ground: 0 V output for 0 mV input
Differential impedance	> 200 M Ω at DC
Analog gain	100 $\pm 3\%$
Frequency range	0 to 3,000 Hz (-3 dB)
Noise	Less than 3 μ V peak-peak for 0.05 to 70 Hz band
Electrode sockets	Two differential inputs (white) and one virtual ground (black). 1.5-mm touch-proof connectors (DIN 42802).
Auxiliary connector	1. Positive supply voltage (+3 V to +5 V) 2. +Signal output 3. Ground 4. -Signal out 5. Negative supply voltage (-3 V to -5 V)
Dimensions (W x D x H)	35 mm x 35 mm x 15 mm
Weight	Approx. 25 g
Cable length	Approx. 0.5 m
Miscellaneous	
Suitable for use in MR scanner room	No
Medical device	No
CE marking	The 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. 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).