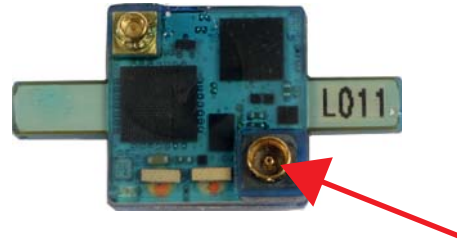


W2100-HS-EEG/EMG/Temp Headstage

Pin Layout of the W2100-HS-EEG/EMG/Temp Headstage for the Wireless2100-System



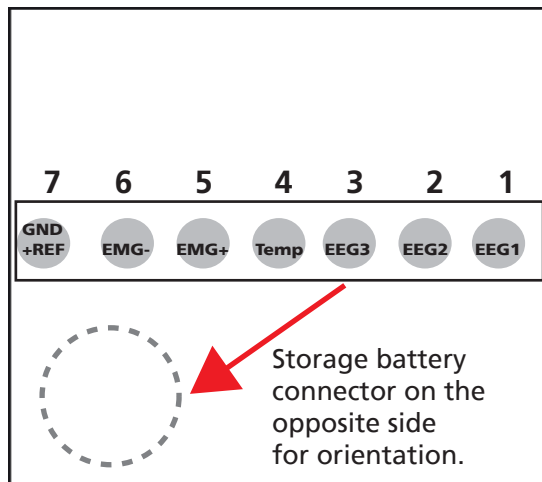
W2100-HS-EEG/EMG/Temp bottom side:
Connector for the electrode probe
or the ME/W-Signal generator.



W2100-HS-EEG/EMG/Temp top side:
Please use the connector in the lower
right (storage battery) for orientation
of the headstage.

W2100-HS-EEG/EMG/Temp Headstage with single row socket

Diagram of the bottom side with pin layout.



Please orientate the headstage
as shown in the diagram.

Connector for W2100-HS-EEG/EMG/Temp Headstage with single row socket

The connector mates with a standard
single row 1.27 mm pin connector such as:
preci-dip 850-10-010-10-001101

Pin Layout of the single row precession socket (1.27 mm, round pin).

Please orientate the headstage as shown in the diagram.

Pin 1	EEG 1	Software Channel 1
Pin 2	EEG 2	Software Channel 2
Pin 3	EEG 3	Software Channel 3
Pin 4	Temperature	Software Channel 4
Pin 5	EMG +	Software Channel 5
Pin 6	EMG -	Software Channel 6
Pin 7	GND + REF	

W2100-HS-EEG/EMG/Temp Headstage

Technical Specifications

W2100-HS-EEG/EMG/Temp Headstage

Number of channels	6
Dimensions (W x D x H) (w/o antennae)	15.5 x 15.5 x 5 mm
Weight (w/o battery)	3.0 g

Amplifier integrated in the Headstage

Bandwidth	1 Hz to 240 Hz (0.1 Hz on request)
Input impedance	1 GΩ 10 pF
Resolution	16 bit
Sampling rate per channel (6 channels simultaneously)	1 kHz
Input voltage range	+ / - 12.4 mV
Distance for wireless link	5 m and more under normal conditions

Batteries

Dimensions in mm	Dimensions in mm			Weight in g
	Length	Width	Height	Weight
30 mAh battery	17	11	3	1.7
100 mAh battery	26	19.5	2.3	4.1
200 mAh battery	26	20	4.5	5.5
300 mAh battery	27.5	19.5	5	8.1

Recording Time of batteries in hours at 1 kHz sampling rate on all six channels

W2100-HS-EEG/EMG/Temp Headstage

30 mAh battery	1
100 mAh battery	4
200 mAh battery	8
300 mAh battery	12