



## 1. Product Specification BWIII EEG Plus

BWIII Amplifier Module



BWIII EEG Plus Head Box

### Channels

#	Channel Name	#	Channel Name	#	Channel Name	#	Channel Name
1	Monopolar Auxiliary	14	FP1 (EEG System 10-20)	27	C4 (EEG System 10-20)	40	DC Channel - 3
2	Monopolar Auxiliary	15	Fp2 (EEG System 10-20)	28	T4 (EEG System 10-20)	41	DC Channel - 4
3	Monopolar Auxiliary	16	T1 (EEG System 10-20)	29	M2 (EEG System 10-20)	42	DC Channel - 5
4	Monopolar Auxiliary	17	F7 (EEG System 10-20)	30	T5 (EEG System 10-20)	43	DC Channel - 6
5	Monopolar Auxiliary	18	F3 (EEG System 10-20)	31	P3 (EEG System 10-20)	44	DC Channel - 7
6	Monopolar Auxiliary	19	FZ (EEG System 10-20)	32	PZ (EEG System 10-20)	45	DC Channel - 8
7	Monopolar Auxiliary	20	F4 (EEG System 10-20)	33	P4 (EEG System 10-20)	46	SpO2 (Oximeter) *Optional
8	Bipolar Auxiliary	21	T2 (EEG System 10-20)	34	T6 (EEG System 10-20)	47	BPM (Oximeter) *Optional
9	Monopolar Auxiliary	22	F8 (EEG System 10-20)	35	O1 (EEG System 10-20)	48	Plesth Wave (Oximeter) *Optional
10	Monopolar Auxiliary	23	M1 (EEG System 10-20)	36	O2 (EEG System 10-20)	49	PRESSURE Transducer AMP *Optional
11	Monopolar Auxiliary	24	T3 (EEG System 10-20)	37	FLASH STIMULATOR	50	PRESSURE Transducer Head box *
12	Monopolar Auxiliary	25	C3 (EEG System 10-20)	38	DC Channel - 1		
13	Monopolar Auxiliary	26	CZ (EEG System 10-20)	39	DC Channel - 2		* Optional

## 2. System Specifications BWIII

### 2.1 Product Specification BWIII

Low Frequency Filter	Adjustable by software on-line and off-line: 0.01 to 100Hz
High Frequency Filter	
Notch Filter	50 or 60 Hz
Sensitivity Range	1 $\mu$ V/mm - 500 $\mu$ V/mm
Software	BWAnalysis - Windows® 7, 8 or 10
Length	5.7in - 14,48cm
Width	10.7in - 27,18cm
Height	2.2in - 5,59 cm

### 2.2 Analog/Digital Converter Characteristics

Characteristics	Values
Resolution	16 bits
Conversion time	15 $\mu$ s
Data flux:	Microprocessor
Sample rate	Up to 2048 Hz
Storage Rate	Up to 512 Hz
Deblock	YES

### 2.3 Amplifier Input Characteristics

Characteristics	Values
Frequency response	0,01 to 100Hz
AC channels Input Range	2 mVpp
DC channels Input Range	-5Vdc - +5Vdc
AC Channels connector type	Touch Proof 1.5mm
DC Channels connector type	P2 - 3.5mm
Transducer pressure connector type	Luer Lock
Signal Noise	< 1 $\mu$ V RMS.
Input Impedance	> 100 M $\Omega$
Calibration Signal	0,5Hz, 50 $\mu$ V Square Wave
CMRR	> 80 DB

### 2.4 Power Supply Characteristics

Characteristics	Values
Input Voltage (AC)	100VAC o 240VAC +/- 10%
Frequency	45 - 75 Hz
Consumption	0,23 A @ 120 VAC 0,16 A @ 230 VAC
Output Voltage (DC)	+5VDC
Ripple Vpp Max	50mV
Certification	Approved by CSA, EN, IEC Standards
Isolation	Double and reinforced (IEC 60601-1, BF type)
Classification	Clase II