



1. Product Specification BWIII PSG Plus

BWIII Amplifier Module



BWIII PSG Plus Head Box

Channels							
#	Channel Name	#	Channel Name	#	Channel Name	#	Channel Name
1	LOC	14	Fp1 (EEG System 10-20)	27	C4 (EEG System 10-20)	40	Plesth Wave (Oximeter)
2	ROC	15	Fp2 (EEG System 10-20)	28	T4 (EEG System 10-20)	41	PRESSURE Transducer AMP
3	FLOW	16	T1 (EEG System 10-20)	29	M2 (EEG System 10-20)	42	PRESSURE Transducer Head box
4	SNORE	17	F7 (EEG System 10-20)	30	T5 (EEG System 10-20)	43	DC Channel - 1
5	CHIN EMG	18	F3 (EEG System 10-20)	31	P3 (EEG System 10-20)	44	DC Channel - 2
6	ECG / EKG	19	FZ (EEG System 10-20)	32	PZ (EEG System 10-20)	45	DC Channel - 3
7	THORAX	20	F4 (EEG System 10-20)	33	P4 (EEG System 10-20)	46	DC Channel - 4
8	POSITION	21	T2 (EEG System 10-20)	34	T6 (EEG System 10-20)	47	DC Channel - 5
9	ABD (Abdomen)	22	F8 (EEG System 10-20)	35	O1 (EEG System 10-20)	48	DC Channel - 6
10	LEG EMG L	23	M1 (EEG System 10-20)	36	O2 (EEG System 10-20)	49	DC Channel - 7
11	LEG EMG R	24	T3 (EEG System 10-20)	37	FLASH STIMULATOR	50	DC Channel - 8
12	Auxiliary Bipolar	25	C3 (EEG System 10-20)	38	SpO2 (Oximeter)	51 - 58	Expansion Module up to 16 DC
13	Auxiliary Bipolar	26	CZ (EEG System 10-20)	39	BPM (Oximeter)		

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 μ V/mm - 500 μ 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 μ 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 μ V RMS.
Input Impedance	> 100 M Ω
Calibration Signal	0,5Hz, 50 μ 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