

Features - PS-2100 Series

- ◆ Multi-Parameter Patient Simulation (PS-2110)
- ◆ Designed For ACLS Training (PS-2105)
- ◆ Simple to Operate
- ◆ Independent Lead Outputs Produce a True 12 Lead ECG Signal
- ◆ One Invasive BP Channel (PS-2110)
- ◆ Arrhythmia Selections
- ◆ Resp & Temp Simulation (PS-2110)
- ◆ ECG Performance Waveforms
- ◆ Graphical Display with Backlighting
- ◆ Drop Down Choice Screens List All Options for Parameters
- ◆ Special Power Up Feature Allows the User to Choose to use Default, Last or Custom Settings
- ◆ Auto Sequences for BPM, Static-Pressure Levels & Performance
- ◆ 10 AHA & European Color Coded Universal Patient Lead Connectors (with Enough Space Between Posts for the Large Diameter Connectors)
- ◆ Mini DIN Connectors Compatible with Standard BP Cables (Optional Mini DIN-M to DIN-F Cable Adapter)
- ◆ % Battery Life Display & Low Battery Indicator
- ◆ Powered by Two 9V Batteries or Optional Battery Eliminator
- ◆ Full Remote Operation via RS232
- ◆ Flash Programmable, Field Upgradeable

Optional

- ◆ SpO₂ Simulation
- ◆ Battery Eliminator

PATIENT SIMULATORS

BC Biomedical PS-2110 Series



PS-2110

The PS-2100 Patient Simulator Series offers cost effective simulation with loads of features. If you only need ECG simulation, the PS-2105 offers all of the features you need. If you want basic Multi-Parameter simulation the PS-2110 is the right choice. It provides ECG, Blood Pressure, Respiration and Temperature Simulation, plus limited Fetal/Maternal.

The PS-2100 Series makes viewing and selecting the desired waveforms and parameters quick and intuitive, with all operational information being available at the same time on the cursor-based graphic display, allowing for easy maneuvering through parameters and scrolling through available options.

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BC Biomedical PS - 2100 Series

PS-2105 SPECIFICATIONS

ECG Functions

Rate	30 to 300 BPM
Amplitude	.05 to 5mv (Lead II)
S-T Segment Elevation	± .05 to .8 mV
Artifacts	50 Hz, 60 Hz, Muscle, Baseline Wander, Respiration
QRS Interval	Adult (80 mS) or Pediatric (40 mS)

Arrhythmia Functions

Arrhythmias	49 different
General Groups	Supraventricular, Premature Ventricular, Conduction
Triggering	Manual & Automatic

Pacemaker Functions

Waveforms	Atrial, Pacer, Asynchronous, Non-Capture, Non-Function, Demand - Occassional, Demand - Frequent, AV - Sequential
Pulse Height	1 to 10 mV
Pulse Width	0.1 to 2 mS

ECG-Performance Functions

Sine Waves	0.1 to 100 Hz
Square Waves	0.125, 2 Hz
Triangle Waves	5, 2.5 Hz
Pulse Waves	30, 60, 120 BPM; 60 mS Width
Amplitude	.05 to 5 mV (Lead II)
Automatic Mode	Yes
R Wave Rate	30, 60, 80, 120, 200, 250 BPM
R Wave Width	8 to 200 mS
R Wave Amplitude	.05 to 5 mV (Lead II)

Training

Timer	Manual, 10, 15, 20, 25, 30 Sec
Randomizer	Off, On
Arrhythmias	All, Subset

SpO₂ Simulation (MSP-2100 & Finger SIM™ Req'd.)

Rate	30 to 300 BPM
SpO ₂ Output	80, 90 & 97%

PS-2110 SPECIFICATIONS

ECG Functions

Rate	30 to 300 BPM
Amplitude	.05 to 2.0mv (Lead II)
Automatic Mode	Yes

Pacemaker Functions

Waveforms	Asynchronous
Pulse Height	1 mV
Pulse Width	1 mS

Fetal/Maternal

Fetal Heart Rate	120 BPM
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Arrhythmia Functions

Arrhythmias	12 different
Triggering	Manual & Automatic

ECG-Performance Functions

Sine Waves	0.1 to 100 Hz
Square Waves	0.125, 2 Hz
Triangle Waves	2 Hz
Amplitude	.05 to 2.0 mV (Lead II)
Automatic Mode	Yes

Respiration

Rate	15 to 120 BrPM
Baseline Impedance	500, 1000 ohms
Lead	LA or LL
Delta Impedance	0.1 to 3.0 ohms
Apnea	Continuous (0 BrPM)

Blood Pressure

Static	0 to 300 mmHg
Pressure Mode	Automatic Static
Dynamic Waveforms	6
Sensitivity	6 μ V/V/mmHg & 40 μ V/V/mmHg

Temperature

Simulation	YSI Series 400 & 700
Selections	30, 37, 40° C (86.0, 98.6, 104.0°F)
Arrhythmias	All, Subset

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Rate	30 to 300 BPM
SpO ₂ Output	80, 90 & 97%

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