

Basic Features - NIBP-1000 Series

- ◆ Small Self Contained Package
- ◆ Low Cost
- ◆ Simple to Operate
- ◆ 0 to 500 mmHg Manometer
- ◆ $\pm 1\%$ of Reading Pressure Accuracy
- ◆ Large Graphics Display with Cursor Selection of Options & Setup of Parameters
- ◆ Software Adjustable Contrast
- ◆ Total Pressure & BP Waveform Displays
- ◆ Adult, Neonatal & Hypertensive Modes
- ◆ SpO₂ Ready—Compatible with MSP-2100 Module & FingerSims™
- ◆ Digital Calibration—No Pots to Turn
- ◆ Multiple Display Screens & Digit Sizes
- ◆ Flash Programmable for Upgrades
- ◆ RS232 Interface

Optional

- ◆ Peak Pressure Detection with Easy Reset
- ◆ Rechargeable NiMH Batteries - Internal

ECG Model Additional Features

- ◆ ECG Output with Full NSR Waveform
- ◆ Sinusoidal Respiration Simulation
- ◆ ECG Performance Test Waveforms
- ◆ Pace Waveform
- ◆ ECG Alarm Test

BC Group International, Inc.
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NIBP SIMULATORS

BC Biomedical NIBP-1000 Series

NIBP-1020



The NIBP-1000 Series is a new Family of high quality, low cost, high function Microprocessor based NIBP Simulators. They were designed to meet the demand for a small, easy to use unit with multiple features to fit your exact needs.

Though small, this Family makes no compromise on providing true outputs. The optional ECG waveforms are full QRS & the respiration waveforms look real.

The graphic display not only allows you to see what is going on digitally, it also allows you to view a plot of the overall pressure or a close-up of the BP waveform.

The Flash Memory allows for field upgrades with downloads from our website.

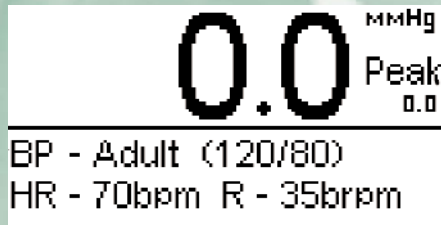
NOTE: The output Waveform is NOT Physiologically Correct.



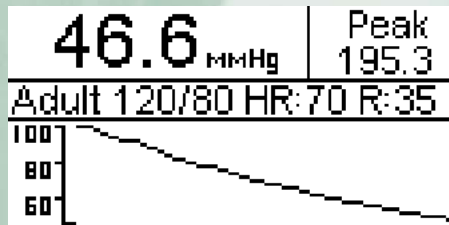
BC BIOMEDICAL NIBP-1000 SERIES

SCREEN VIEWS

Main Display



Composite Pressure Display



Output Pressure Display
(NOTE: The output Waveform is NOT Physiologically Correct.)



NIBP-1010 with
MSP-2100 & FingerSim™

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SPECIFICATIONS

Manometer

Range	0 to 500 mmHg
Accuracy	± 1% of Reading or ± .5 mmHg (whichever is greater)
Resolution	.1 mmHg

Physical

Display	LCD Graphical 128 X 64 Pixels
Enclosure	ABS Plastic, 7" x 5" x 4"
Weight	< 3 lbs
Operating Range	15° to 40° C

Electrical

Battery Eliminator	12V, 500mA
Battery (Optional)	NiMH Rechargeable - Internal
Battery Runtime	500 Test Cycles
Battery Storage Life	1 Year from full charge

ECG NSR

Rate	30,60,120,240 BPM; ±1%
Amplitude	1.0 mV; ± 2% @ Lead II

ECG Performance

Sine Wave	10,60,100 Hz; ± 1%
Square Wave	0.125, 2.000 Hz; ± 1%
Triangle Wave	2.000 Hz; ± 1%

Pacemaker Waveforms

Amplitude	5 mV, ± 10%
Width	1.0 ms; ± 5%

Respiration

Rate Accuracy	± 1%
Impedance Delta	3.0 ohms; ± 10%
Baseline	1000 ohms; ± 5%

MODEL SUMMARY

BC Model	Description
NIBP1010	Basic Unit
NIBP1010-P	+ Peak
NIBP-1010-BP	+ Battery & Peak
NIBP1010-KIT	NIBP 1010-BP + 5 Adapters & Soft Carrying Case
NIBP1020	Basic Unit with ECG
NIBP1020-PA	+ Peak & Alarm
NIBP1020-BPA	+ Battery, Peak & Alarm
NIBP1020-KIT	NIBP 1020-BPA + 5 Adapters & Soft Carrying Case

