



GOSSEN METRAWATT

Safety through Competence

**SECULIFE** | **NIBP**  
BLOOD PRESSURE | SIMULATOR

SO THAT YOUR DEVICES ARE  
UP TO THE PRESSURE.



**SECULIFE**<sup>®</sup>  
PREMIUM CLASS TESTING DEVICES FOR MEDICAL TECHNOLOGY

# MULTIPARAMETER-SIMULATOR

THE SECULIFE NIBP IS DESIGNED TO MEET THE DEMAND FOR A SMALL, EASY TO USE UNIT WITH MULTIPLE FEATURES TO FIT YOUR EXACT NEEDS.

Though small, this complete Multiparameter Simulator makes no compromise on providing true outputs.

The ability to provide offsets for various NIBP manufacturers is a particular feature of this device.

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.



## FEATURES

- NIBP, IBP, ECG, Temp, Arrhythmias, Respiration, Leak Detect & Much More
- Small, Hand-Held, Lightweight
- Simple - One Key Operation
- 0 to 500 mmHg Manometer
- $\pm 1\%$  of Reading Pressure Accuracy
- Digital Pressure Envelope Offset
- Total Pressure & BP Waveform Displays
- Adult, Neonatal, Hypertensive & Hypotensive Modes
- SpO<sub>2</sub> Ready - Compatible with Seculife OX<sup>1</sup>
- Multiple Display Screens & Digit Sizes
- Flash Programmable, Field Upgradeable
- RS232 Interface
- Peak Pressure Detection with Easy Reset
- ECG Output with Full NSR Waveform
- Sinusoidal Respiration Simulation
- ECG Performance Test Waveforms
- Pace Waveform
- ECG Alarm Test
- Synchronized Invasive Blood Pressure Output
- Selectable IBP Sensitivity - 5 or 40  $\mu\text{V/V/mmHg}$
- Leak Rate Test
- ECG Arrhythmia Waveforms
- ECG Arrhythmia Sequence
- YSI 400 & 700 Simulation Temperature



## ACCESSORY FOR PULSE OXIMETRY TEST SECULIFE OX1 WITH FINGERSIM SET

Seculife OX1 can be connected to Seculife NIBP to supply a calibrated pulse rate.

[The FingerSim Set is necessary, but not included in the standard equipment.]



### BLOOD PRESSURE

- Blood Pressure:**
- › Range:  $\pm 500$  mmHg @ 20°C
- › Accuracy:  $\pm 1\%$  of Reading  $\pm .5$  mmHg
- › Rate: 80,94 bpm (synchronized to ECG)
- › Rate Accuracy:  $\pm 1\%$
- Invasive Blood Pressure:**
- › Static Pressure: -10,0,20,40,50,60,80,100,150,160,200,240,250,300,320,400 mmHg
- › Accuracy:  $\pm (1\% \text{ Full Range} \pm 1 \text{ mmHg})$  or  $\pm (2\% \text{ Setting} \pm 2 \text{ mmHg})$
- › Impedance: 300 ohms ( $\pm 10\%$  Accuracy)
- › Sensitivity: 5 or 40  $\mu\text{V}/\text{mmHg}$

### ECG NSR/ ECG PERFORMANCE

- ECG-NSR**
- › Rate: 30,60,120,240 BPM ( $\pm 1\%$  Accuracy)
- › Amplitude: 2.75 mV ( $\pm 2\%$  @ Lead II Accuracy)
- ECG Performance**
- › Sine Wave: 10,60,100 Hz
- › Square Wave: 0.125, 2,000 Hz
- › Triangle Wave: 2,000 Hz
- › Rate Accuracy:  $\pm 1\%$
- › Amplitude: 2.75 mV ( $\pm 2\%$  @ Lead II Accuracy)

### PACEMAKER WAVEFORMS

- › Amplitude: 3 mV ( $\pm 10\%$  Accuracy)
- › Width: 6 ms ( $\pm 5\%$  Accuracy)

### RESPIRATION

- › Rate Accuracy:  $\pm 1\%$
- › Impedance: Delta 3.0 ohms ( $\pm 10\%$  Accuracy)
- › Baseline: 1000 ohms ( $\pm 5\%$  Accuracy)

### TEMPERATURE

- › Settings: 0,24,30,37,40 C ( $\pm 0.1$  C Accuracy)  
(32.0,75.2,86.0,98.6,104.0 F)
- › Type: YSI Series 400 and 700

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