

## SECULIFE | **BP<sub>PRO</sub>** MULTI-PARAMETER SIMULATOR

3-349-869-03  
1/7.15

### Simulator for testing patient monitors

- Optional peak pressure detect with simple reset
- Synchronized invasive blood pressure output
- +/- 1% of reading pressure accuracy
- ECG output with full NSR waveform
- Digital pressure envelope offset
- With multifunctional connection
- Small, handy, lightweight
- Flash programmable



Despite his small size, this complete Multi-parameter 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 total pressure is displayed digitally and graphically. In addition, a close-up of the BP waveforms is possible.

Further, you can perform a standard pressure leakage test. The pressure input is connected to the system to be monitored. Thereafter, the system pressure is supplied. The device measures the pressure drop and displays it.

SECULIFE | **BP<sub>PRO</sub>** has a connection to the SpO<sub>2</sub> simulation, using a 7-pin Mini-DIN cable and external „SECULIFE | **PULS Oximeter Module**“. In this manner you can display oxygen saturation across transcutaneous light sensor by absorption measurement.



### Purchase parts

- 1 Operating Instructions
- 1 Transport case
- 1 Battery
- 1 Power support (model U.S.)
- 1 Power support (model EU)

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## Technical Data

Device:

Construction	17,8 x 12,7 x 10,2 cm/ABS Plastik
Weight	< 3 Lbs (< 1,36 kg)
Face Plate	Lexan/Back printed
Operating Range	15 to 40 °C
Storage Range	-20 to 65 °C

General	
Display	LCD Graphical 128 x 64 pixel
Backlight	Yes
Lead Test Terminals	No
RS232	Yes
Power	6 x 1,5 V AA
Battery Eliminator	Yes

Functions:

<b>ECG-NSR</b>	Yes
Leads	10
Rates	4
Amplitudes	1
QRS Interval	Adult, Neonatal, Hypertensive, Hypotensive
ST Segment Elevation	No
<b>ECG-Performance</b>	Yes
Sine Waves	3
Square Waves	2
Triangle Waves	1
Pulse Waves	-
<b>Respiration</b>	Yes
Rate	4
Baseline	1
Delta Impedance	1
<b>NIPB</b>	Yes
Rates	80,94 BPM
Pressure Output	+/-500 mm Hg
<b>Special Modes</b>	Yes
SpO2 Simulation	With Seculife OX
Lead Test	Yes
Manometer	Yes

<b>Pacemaker</b>	Yes
<b>Arrhythmias</b>	6
<b>Blood Pressure</b>	1
<b>Temperature</b>	YSI 400/700 0, 24, 30, 37, 40 °C (± 0.1 °C Accuracy)

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Further information:

BLOOD PRESSURE / INVASIVE BLOOD PRESSURE		ECG NSR / EKG PERFORMANCE	
<b>Blood Pressure:</b>		<b>ECG-NSR</b>	
Range	+/- 500 mm Hg 20 °C	Rate	30, 60, 120, 240 BPM (+/- 1% accuracy)
Accuracy	+/- (1% of Reading + 0.5 mm Hg)	Amplitude	2,75 mV (+/- 2% accuracy)
Rate	80, 94 bpm (synched to ECG)		
Impulse accuracy	+/- 1%		
		<b>ECG-Performance</b>	
<b>Invasive Blood Pres.:</b>		Sine Wave	10, 60, 100 Hz
Static pressure	-10, -5, 0, 20, 40, 50, 60, 80, 100, 150, 160, 200, 240, 250, 300, 320, 400 mm Hg	Square Wave	0,125; 2000 Hz
Accuracy	+/- (1% Full Range ± 1mm Hg) or +/- (2% Setting + 2mm Hg)	Triangle Wave	2000 Hz
Impedance	300 Ohm (+/- 10% accuracy)	Rate Accuracy	+/- 1 %
Sensitivity	5 or 40 µV/V/mm Hg	Amplitude	2,75 mV (+/- 2% accuracy )

PACEMAKER WAVEFORMS		RESPIRATION	
Amplitude:	3 mV (+/- 10% accuracy)	Rate accuracy:	+/- 1 %
Width:	6 ms (+/- 5 % accuracy)	Impedance delta:	Delta 3,0 Ohm (+/- 10% accuracy)
		Baseline	1000 Ohm (+/- 5% accuracy)

## Ordering information

Description	Type	Order number
Multi-parameter Simulator	SECULIFE <b>BP<sub>PRO</sub></b>	M695P

## Options

Description	Type	Order number
Fetal/Maternal Simulation	Fetal Maternal	Z695P
Cardiac Output Sumulation	Cardiac Output	Z695O

For more information on accessories, see

- [www.gossenmetrawatt.com](http://www.gossenmetrawatt.com)

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