

SECULIFE | PS300 UNIVERSAL PATIENT SIMULATOR

3-349-769-03
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SECULIFE PS300 for testing patient monitors

- Drop down choice screens, list all options for parameters
- MINI-DIN connectors for BP cables
- Flash-programmable for upgrades
- Full remote operation via RS-232
- No codes to remember or enter
- Programmable sequences
- Simple to operate



The SECULIFE PS300 is an easy-to-use patient simulator in which all parameters can be selected through a graphic display. Autosequences for BDM and printing can be selected. 10 Patient connections are available. An extension to SpO2 function is possible. Two channels for blood pressure and 49 arrhythmias are available.

ECG Waveforms

The microprocessor has stored in its memory all of the digitalized waveforms. It sends the individual lead waveforms to D/A converters, which generate accurate analog representations. The waveforms are then sent through resistor networks, developing the appropriate signals on the output terminals.

Cardiac Output

The SECULIFE PS300 has the ability to simulate Thermodilution Cardiac Output measurements. Thermodilution allows the calculation of heart volume output by measuring the temperature change of the blood after a specific volume of solution, which is room temperature or cooler (typically 0 °C or 24 °C), is injected into the heart. The blood temperature is measured by a thermistor on the catheter.



Purchase parts

- 1 Operating Instruction
- 1 Transport case
- 2 Batteries 9 V DC
- 1 Power supply (model U.S.)
- 1 Power supply (model EU)

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Technical Data

Device:

Construction	227.8 x 153.4 x 43.7 mm/ABS Plastik
Weight	< 2 Lbs (0.91 kg)
Face Plate	Lexan/Back printed
Operating Range	15 to 40 °C
Storage Range	-20 to 65 °C

General	
Display	1LCD graphic, 128 x 64 pixel
Backlight	Yes
Lead Test Terminals	Yes
RS232	Yes
Power	2 x 9 V Batteries
Battery Eliminator	Without SECULIFE OX 9 V DC, 200 mA With SECULIFE OX 10 V DC, 500 mA

Functions:

ECG-NSR	Yes
Leads	10
Rates	17
Amplitudes	19
QRS Interval	Adult + Pediatric
ST Segment Elevation	19
ECG-Performance	Yes
Sine Waves	8
Square Waves	2
Triangle Waves	2
Pulse Waves	3
Respiration	Yes
Rates	8
Baseline	4
Delta Impedance	6
NIPB	No
Rates	-
Pressure Output	-
Special Modes	Yes
SpO2	With Seculife OX
Fetal/Maternal	Option
Cardiac Output	Option
Trainings Mode	Yes

Pacemaker	No
Arrhythmias	49
Blood Pressure	2
Temperature	YSI 400/700 0, 24, 30, 37, 40 °C

Ordering information

Description	Type	Order number
Universal Patient Simulator	SECULIFE PS300	M695N

For more information on accessories, see

- www.gossenmetrawatt.com