

**Technical Specifications for SimCube SC3-4**

<b>Physical Dimensions</b>	
Size	3"x 3"x 3.5" (7.6cm X 7.6cm X 8.9cm)
Weight	2.5 Lbs
Power	External A/C Adaptor (Output: 6VDC / 1.8amps, 2.1mm, center positive connector) or 4 AA Batteries (with Battery Boost Option)
NIBP Connection	Quick Disconnect, Male
ECG/Resp Connection (SC-4)	10 ECG snaps
<b>Manometer</b>	
Range	0 to 400 mmHg
Resolution	0.1 mmHg
Accuracy	± 1.0 mmHg
<b>User Interface</b>	
Single Button Operation	
Operating Modes	Adult NIBP Neo NIBP Hypertensive NIBP Manometer Peak Detect (Overpressure) Alarm Test / Heart Rate Sequence (SC-4) ECG Asystole (SC-4) ECG Pacer ON (SC-4)
<b>NIBP Adult Simulation</b>	
Simulated Pressure	120/80 (97) mmHg
Simulated Heart Rate	70 bpm
Simulated Pulse Volume	1 ml
<b>NIBP Neonatal Simulation</b>	
Simulated Pressure	70/40 (51) mmHg
Simulated Heart Rate	95 bpm
Simulated Pulse Volume	0.5 ml
<b>NIBP Hypertensive Simulation</b>	
Simulated Pressure	190/120 (142) mmHg
Simulated Heart Rate	70 bpm
Simulated Pulse Volume	1 ml
<b>ECG Simulation (SC-4)</b>	
Isolated	Yes
Synchronized with NIBP	Yes
R Wave Size	1mV (lead II) ± 10% (Adult Mode)
R Wave Width	35 ms
Wave Shape	QRS wave
Connection	10 Snaps
Simulation Rates	70 bpm (95 bpm for neonatal), Asystole, Pacer, Alarm Test/HR Seq.
<b>Alarm Test/HR Sequence (SC-4)</b>	
	30 seconds each of: 30, 60, 90, 120, 45, 160, and 220 bpm
<b>Pacer Simulation (SC-4)</b>	
Isolated	Yes
Synchronized w/ NIBP	Yes
Pacer Size	3 mV
Pacer Width	1.2 ms
<b>Respiration Simulation (SC-4)</b>	
Isolated	Yes
Wave Shape	Square Wave
Size	4 Ohm
Simulation Rates	35 bpm (47 for neonatal), Apnea, Sequence = 00, 30, 45, 60, 22, 30, 80, 110

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<b>Peak Detect/Overpressure</b>	
Resolution	1 mmHg
<b>Environmental</b>	
Voltage Range	100-240 VAC, 50-60 Hz
Operating	Temperature: 10°C to 35°C (50°F to 95°F), Relative Humidity: 10 to 80% non-condensing, Altitude: 3,000m (9,843ft)
Storage	-20°C to +60°C (-4°F to +140°F)