

Technical Specifications for SimCube SC3-4

Physical Dimensions	
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 / 2amps, 2.1mm, center positive connector) or 4 AA Batts (with Battery Boost Option)
NIBP Connection	Quick Disconnect
ECG/Resp Connection (SC-4)	10 ECG snaps
Manometer	
Range	0 – 480 mmHg
Precision	0.5 mmHg
Accuracy	+/-1% of reading
User Interface	
Single Button Operation	
Operating Modes	Adult NIBP Neo NIBP Hypertensive NIBP Manometer Peak Detect Alarm Test (SC-4) ECG Pace ON (SC-4)
NIBP Adult Simulation	
Simulated Pressure	120/80 (100) mmHg
Simulated Heart Rate	70 bpm
Simulated Pulse Volume	1 ml
NIBP Neonatal Simulation	
Simulated Pressure	70/40 (55) mmHg
Simulated Heart Rate	95 bpm
Simulated Pulse Volume	0.5 ml
NIBP Hypertensive Simulation	
Simulated Pressure	190/120 (150) mmHg
Simulated Heart Rate	70 bpm
Simulated Pulse Volume	1 ml
ECG Simulation (SC-4)	
Isolated	Yes
Synchronized with NIBP	Yes
R Wave Size	1mV (lead I) +/- 5%
R Wave Width	35 ms
Wave Shape	QRS wave
Connection	10 Snaps
Rate	70 bpm (95 bpm for neonatal)
Alarm Test Sequence (SC-4)	
30 seconds each of: 30, 60, 90, 120, 45, 160, and 220 bpm	
Pacer Simulation (SC-4)	
Isolated	Yes
Pacer Size	3 mV
Pacer Width	1.2 ms
Respiration Simulation (SC-4)	
Isolated	Yes
Wave Shape	Square Wave
Size	4 Ohm
Rate	35 bpm (47 bpm for neonatal)
Environmental	
Voltage Range	100-240 VAC, 50-60 Hz