

<b>Physical Dimensions</b>								
Size	7"x 1.25" x 0.8" (17cm X 3.2cm X 2.0cm)							
Weight	4 oz (0.1kg)							
ECG/Resp Connection	10 ECG snaps with 4mm and 1/8" banana plug grooves							
IBP Connection	4 X 6 pin Mini-DIN							
YSI Temp Connection	2 X 3.5mm mini stereo jack							
C.O. Connection	Standard 3 pin catheter connection							
<b>Power</b>								
Power Supply	3.6 VDC. 0.030mA max. Internal Lithium Thionyl Chloride battery							
Battery Life	Up to 10 years on the internal battery. Varies depending on usage.							
<b>Environmental</b>								
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)							
<b>User Interface</b>								
Single Button Operation	Double Click = Change Mode							
	Single Click = Show Mode/Zero IBP/Advance Waveform							
	Hold (2s) = Start C.O.							
<b>Operating Modes</b>								
MODE	ECG	HR	RR	IBP1	IBP2	IBP3	IBP4	C.O.
ADULT	NSR	60	30	120/80	30/10	125/15	8/2	OFF
NEO	NSR	140	70	60/30	20/10	60/5	4/1	3 l/m
HR STEPS	NSR	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	5 l/m
ARR MODE 1	VARIOUS	VARIOUS	OFF	100mmHg	100mmHg	100mmHg	100mmHg	7 l/m
ARR MODE 2	VARIOUS	VARIOUS	OFF	200mmHg	200mmHg	200mmHg	200mmHg	5 l/m @ 2° C Ti
<b>HR Steps</b>								
		30, 60, 90, 120, 160, 200, 240 (BPM)						
<b>Respiration Steps</b>								
		15, 30, 45, 60, 80, 100, 120 (RPM)						
<b>IBP Steps</b>								
		0, 25, 50, 100, 150, 200, 250 (mmHg)						
<b>ARR MODE 1</b>								
		NSR with PVCs, VTACH, VFIB, ASYSTOLE						
<b>ARR MODE 2</b>								
		BIGEMINY, PACER, TRIGEMINY, ST+, 2 <sup>nd</sup> DEGREE BLOCK, SQUARE WAVE						
<b>ECG Simulation</b>								
Heart Rate Accuracy	± 0.5% of Reading							
Isolated	Yes							
R Wave Size	1mV (lead II) ±10% on NSR mode only							
R Wave Width	35 ms							
Wave Shape	QRS wave							
Connection	10 Snaps, plus 4mm and 1/8" banana plug grooves							
Rates	60, 140, 30, 60, 90, 120, 160, 200, 240 (BPM)							
<b>Pacer Simulation</b>								
Isolated	Yes							
Synchronized with ECG	Yes							
Pacer Size	0.4 to 2 mV							
Pacer Width	1.6 ms							
<b>Respiration Simulation</b>								
Respiration Rate Accuracy	± 0.5% of Reading							
Isolated	Yes							
Synchronized with NIBP	Yes							
Size	1 Ohm							
Rates	30, 70, 15, 30, 45, 60, 80, 100, 120 (RPM)							

**Specifications SimSlim Model SL-8**

<b>Invasive Blood Pressure Simulation</b>	
Isolated	Yes
Synchronized with NIBP	Yes
Excitation Voltage	DC range = 2.5 to 5.7V AC range = 5 to 11.4Vp-p
Pressure Range	0-250 mmHg
Static Pressure Accuracy	± 1 mmHg
Dynamic Pressure Accuracy	± 2mmHg
Simulation Rates	Dynamic = 120/80, 30/10, 125/15, 8/2, 60/30, 20/10, 60/5, 4/0 Static = 100, 200. Step = 0,25,50,100,150,200, 250
Wiring	+ Excitation = pin 1, - Excitation = pin 4, + Sig = pin 3, -Sig = pin 6
<b>Temperature Simulation</b>	
YSI 400 Simulation Values	25, 37, 40 ( °C )
YSI 700 Simulation Values	25, 37, 40 ( °C )
Simulation Accuracy	± 0.04 °C
<b>Cardiac Output (CO) Simulation</b>	
Baseline Blood Temp	37.0 °C
Baseline Blood Temp Accuracy	± 0.1 °C
Simulation Values	3, 5, 7 (l/m), 5 l/m @ 2° C Ti CC= 0.542
Simulation Values Accuracy	5% of the simulation value 3, 5, 7 (l/m)
Injectate Adapter Cable / Box	Simulation 5 l/m @ 2° C Ti CC= 0.542 requires P# 501-0502
<b>Mechanical</b>	
Housing Material	High impact resistant Carbotex Polycarbonate. Ultra-strong construction.
Housing Construction	Clamshell, with 10 #4-40 fasteners all the way through both case parts and 4 plastite corner fasteners
Attachments	Rugged key chain attachment for securing to belt, lanyard, reel, case, workbench, cart, etc.
Labeling	All necessary instructions and data are printed on the case of the simulator, as well as in the operator's manual.