



ECG&Resp&Pace Simulator

Model: ANSIM-12

Pacemaker Waveform

Pacer Pulse Amplitude	0, ±2, ±5, ±10, ±250mV, ±700mV ±10%
Pacer Pulse Width	0.1, 0.2, 0.5, 1, 2 ms ±5%
Pacing Rate	75BPM
Waveform	Synchronous (single) Asynchronous (single) AV sequential (Duble:150,250ms) Non function (single,Double:150,250ms)

Arrhythmias

Waveform	Bigeminy, Trigeminy, Sinus Arrhythmia, PVCs 6/minute, PVCs 12/minute, PVCs 24/minute, Ventricular Tachycardia, Ventricular Fibrillation
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Normal-Sinus-Rhythm Waveform

Normal Sinus Rhythm	12-lead configuration with independent outputs referenced to right leg (RL).
Amplitude	0.1 ,0.15 ,0.2 ,0.25 ,0.3 ,0.4 ,0.5 ,1.0 ,1.5 ,2.0 3.0 ,4.0 ,5.0 and 6.0 mV (for Lead II)
Amplitude Accuracy	2 % of setting Lead II
ECG Rate	10, 20, 30, 40, 60, 80, 100, 120, 140, 160, 180 200, 220, 240, 260, 280, 300, 325, 350 BPM
Rate Accuracy	1 % of setting
Superimposed Artifact	50 and 60 Hz, muscle, baseline

ECG Performance Testing

Amplitude	0.1 ,0.15 ,0.2 ,0.25 ,0.3 ,0.4 ,0.5 ,1.0 ,1.5 ,2.0 3.0 ,4.0 ,5.0 and 6.0 mV (for Lead II)
Square Wave	0.125, 2 Hz
Triangle Wave	2, 2.5, 25,30 Hz
Sine Wave	Zero, 0.05, 0.5 ,0.67, 1, 5, 10, 25, 40, 50, 60 100, 200, 300, 400, 500 Hz
R-Wave Detection Waveform	Haver-Triangle
R-Wave width	10 to 200 ms (10ms steps) and 8,12 msec
R-Wave Rate	Variable by rate menu (code number:2)
Tall T Waveform	Triangle – Half sinus
T Amplitude related to R	0R, 0.2R, 0.4R, 0.6R, 0.8R, 1.0R, 1.2R



Respiration

Impedance variation ($\Delta\Omega$)	0.1, 0.3, 1, 3 Ω ±10%
Rate	15, 30, 60, 120 BrPM ±5%
Baseline	500, 1000, 1500, 2000 Ω Leads I, II, III
Respiration Lead	LA or LL

General specifications

Size	175 x 100 x 40 mm
Weight	450 gr.
Display	Graphic LCD 160x64 with backlight
Temperature	Storage: -20C ~ +50C
Operation:	10C ~ 40C
Humidity	Maximum 80%
Power	Adaptor: +5V / 0.5A Battery: 2x1.2V AA size rechargeable (internal Battery charger)

- 12 leads ECG Simulation
- 12 Arrhythmia selection
- Pace pulse simulation, sync, async, AVseq with various amplitude and width
- Respiration Simulation on lead I or II with various amplitude and rates
- Supports CAL and ANE signals based on IEC60601-2-25
- ECG performance waveforms and R-wave detection pulse
- Graphic LCD with backlight
- ECG Artifact signals
- Built in rechargeable Ni-MH battery
- AC operation with +5V adaptor input
- Compact and Portable

