

Rigel 333 – Technical Specification

ECG Normal Sinus:

Rate: 30, 60, 70, 80, 90, 100, 120, 150, 180, 210, 240, 270, 300, 350 BPM

Amplitude: 0.15 to 5mV

High Level Output: 0.5 Volt/mV of Low Level (Lead II)

Performance Waveforms:

Sine, Triangle, Square

Rate: 0.1 to 100 Hz

0.1 to 1 Hz in 0.1 Hz increments

1 to 10 Hz in 1 Hz increments

10 to 100 Hz in 10 Hz increments

Tall T Wave

Test Waveform@ 70 BPM

Atrial Pacer

Ventricular Pacer*

Paced Rhythms - Variable from 0.1 to 2mS

R Wave detection - Variable from 10 to 120mS.

Pulse:

2mS Pulse of 1mV amp @ 4 sec intervals

Pacers

ST Segment Analysis:

ST Elevation and Depression

ST Depression Positive and Negative Slope

Myocardial Infarction

Arrhythmias:

Atrial

Ventricular

Blocks

Respiration:

Normal Physiological Simulation:

Base Line Impedance: 250, 500, 750, 100 Ohms

Delta Impedance: 0.1, 0.5, 1.0, 1.5 Ohms

Rates: 15, 30, 60, 120 BPM

Apnea: Off, Continuous, 12 Seconds and 32 Seconds Apnea-Bradycardia

Accuracy: Delta Impedance 5% of selection

Rate: 1% of selection

Blood Pressure:

Impedance: 350 Ohms
Excitation: 2 to 16 Volts
Sensitivity: 5uV/V/mmHg
Static: 0, 5, 10, 20, 25, 30, 40, 50, 100, 150, 200, 300 mmHg.
Dynamic: 50/10, 60/20, 70/30, 80/40, 100/60, 120/80 mmHg.
Accuracy: ($\pm 2\%$ FS. ± 1 mmHg)
Synchronized with all normal sinus rates
Physiologically track all arrhythmia selections.

Temperature:

Compatibility: YSI 400/700
25/37 Degree Centigrade
Accuracy: $\pm 1\%$ of reading

General:

Display:	16 Character 2 Line LCD
Key Pad:	8 tactile keys D F1, F2, F3, F4, >, <, ON/OFF, Menu
Output Connectors ECG:	10 Banana Jacks
High Level:	3.5mm Phono Jack
Pressure:	5 contact circular Din
Temperature:	3.5mm Stereo Jack
Physical Size:	140 x 90 x 38 mm
Case:	High Impact Plastic
Weight:	285 gram

Power:

9 Volt Alkaline/AC adapter (Optional).
Battery Life 40 Hours Continuous.
Display Indicates Low Battery.