

*When you wish to get to the Heart of matter accurately*



## Biphasic Defibrillator

### **LIFE GUARD B**

- Offers variable energy level selection.  
(2,3,5,7,10,20,70,100,150,200 , Joules)
- Battery Capacity-100 shocks on single charge.
- Adult and Pediatric support.
- Compact and Light Weight : Approx 6.5 Kg.
- ECG through Paddle.
- Optional parameters: Pacer, SPO2, NIBP , AED & Etco2

## Life Guard B

### General

Display	320 x 240 pixels, 7" Color LCD with LED backlight
Display Area	120 mm x 90 mm
Dimensions	H280 x W330 x D210 mm(Max) without Paddle
Weight	Approx 6.5 Kg

### Power Supply

Input	150 270 VAC, 50 Hz
Battery	12V/4.5 Ah Rechargeable
Back-up time	3 hours min on full charge in ECG mode/100 shock of 200 Joules in defib mode
Power Consumption	30 Watts (max) in ECG mode

### Environmental

Operating temp	-5°C to +50°C
Humidity	Upto 95% non-condensing

### Defib

Operating Mode	Manual
Waveform	Biphasic
Energy	2 to 200 joules in 12 steps
Synchronous	Energy delivery begins within 60 ms of the Peak
Charging Time	Less than 5 seconds
Paddle Assembly	External Paddle assembly with coil retractable high voltage cable. Adult & Pediatric paddle integrated to same handle
Check Mode	Manual test mode
Operation	By front panel keyboard

### ECG

Freq response	0.5 Hz to 35 Hz
Patient isolation	Optical isolation
Lead Selection	Lead I, II and III
Gain setting	0.5, 1, 2 mm/sec
CMRR	>90 db
Sweep Speed	12.5, 25.0, 50.0 mm/sec
Data Output	Analog output of ECG
Digital filter	Digital signal processing for good quality of ECG

**ETCO2** (Mainstream) (Optional)



Range	30–250 bpm
Accuracy	1-2 bpm
Resolution	1 bpm
Tone	Beep on every QRS detected
Low alarm limit	30—250 (step of 5)
Range	
High alarm limit	30—250 (step of 5)
Range	

### SpO2 (Optional)

Range	0—100%
Accuracy	70—100% +2 digits, 50—69%+3 digits
Pulse rate	displayed when ECG is deselected
Pulse beep	Stepless volume control
PR Range	30 to 250 bpm (+/-2 bpm)
Pitch variation with change in oxygen saturation.	

### NIBP (Optional)

<b>Systolic, Diastolic and Mean arterial pressure</b>	
Storage	Last 30 NIBP readings with time
Method	Oscillometric with fuzzy logic
Modes	Manual, Auto
NIBP	Interval User selectable—3 min to 120 min
Cuff	Single tube with Velcro
Cuff deflation	Automatic
Safety features	Automatic deflation if cuff pressure exceeds 280 mm Hg

### Pacemaker : (optional)

Patient Leakage Current	<10UA
Pace electrode Off Detection	Impedance>2600 Ohm
Pacing Mode	VVI Demand or Fixed
Pulse Type	Rectilinear, constant Current
Pulse Duration	40msec +/-10%

### A.E.D (Optional)

<b>Waveform</b>	:	<b>Biphasic</b>
AED Shock series	:	Energy level from 150 to 200 J.
Charge Command	:	Automatic after indentifying arrhythmia
Charging Time	:	Less than 8 seconds
Voice	:	Voice Prompt
Controls	:	Analyze, Pause

*Technical specifications are subject to change without notice..*