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### **General**

Display : 7" colour TFT  
Display area : 150 mm x 90 mm  
Dimensions : H180 x W 230 x D300 mm (Max) without Paddle  
Weight : Approx 5.0Kgs  
Unit ON-OFF : By front panel push button  
Operation : By front Panel keyboard, Encoder  
Alarm : User adjustable high & low limit, Audible and visual alarming  
Trend : 24 hrs Graphical and Tabular trend of ECG, SpO2, NIBP  
Charge/ Discharge Control : Charge and Shock buttons on front panel and paddles.

### **Power Supply**

AC mains through adaptor  
Input : 150 - 260 VAC, 50 Hz, 1 Ø  
Output : 17 @ 4 A.  
Battery : 11.1 V 4Ah Lithium-ion .Rechargeable  
Back-up time : 2 hours min. on full charge in ECG mode  
70 -100 shock of 150 Joules deliveries (Full charge).  
Power consumption : 30 Watts (max.) in ECG mode

### **Environmental**

Operating Temp. : -5°C to +50 °C  
Humidity : up to 95 % non-condensing

### **Defib**

Operating Mode : Manual  
Waveform : Biphasic  
Energy : 2 to 200 joules in 12 steps selection  
Synchronous Cardio Version : Energy delivery begins within 60 ms of the QRS Peak  
Charging Time : Less than 8 seconds  
Paddle Assembly : External paddle assembly with coil retractable high voltage cable. Adults & Pediatric paddle integrated to same handle  
Check Mode : Manual test mode  
Operation : By front panel keyboard and through Encoder, Unit ON-OFF by front panel push button

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### **ECG**

Frequency response : 0.5 Hz to 35 Hz  
Patient isolation : Optical isolation  
Lead selection : Lead I, II and III  
Gain setting : 0.5, 1.0 and 2.0  
CMRR : > 90 db  
Sweep Speed : 12.5, 25.0, 50.0 mm/sec  
Waveform 1 : ECG  
Waveform 2 : 4sec delayed (cascaded)  
Digital filter : Digital signal processing for good quality of ECG  
Freeze mode : To freeze last 4 seconds ECG

### **Heart Rate**

Range : 10 – 250 BPM  
Accuracy : +/- 2 BPM  
Resolution : 1 BPM  
Tone : Beep on every QRS detected  
Low alarm limit range : 10 – 250 (step of 1)  
High alarm limit range : 10 – 250 (step of 1)

### **Printer**

Paper Type : Thermal paper 50/55mm width, 20 meters length for 2 inch printer  
Event Printing : Prints 5 Seconds pre & post ECG with Date, Time, Energy and mode, Shock Status  
ECG in Defib Mode : Prints last 10sec ECG through paddle  
Print Annotates in Defib Mode: Time, Date, Mode, lead name, gain, sweep speed  
ECG in Monitor Mode : Prints last 10 ECG through cable  
Print Annotates in Monitor Mode: Time, Date, selected Lead name, Gain, Sweep speed  
Manual Defib Check Mode: Prints the status of Shock, Energy, Date and Time

### **SpO2**

Range : 0 - 100%  
Accuracy : 70 - 100% +2 digits, 50 - 69% +3 digits  
Pulse rate : displayed when HR is deselected  
Pulse beep : Stepless volume control  
PR Range : 10 to 250 bpm (+/- 2 bpm)  
Pitch variation with change in oxygen saturation.

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## **NIBP**

Systolic, Diastolic and Mean arterial pressure

Range : 10-250mmHg

Method : Oscillometric

NIBP interval : User selectable - 3 min. to 120 min

Modes : Manual, auto

Cuff deflation : Automatic

Safety features : Automatic deflation if cuff pressure exceeds 280 mmHg

NIBP status display as:

“Ready”, when not taking reading

“Measuring”, when taking reading and

“Error”, if reading could not be taken due to some error while measuring

Patient Type : Adult, Pediatric, Neonate

\* Due to our continuous product improvement programme, features can be enhanced.