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1. General

Display	: 7"Colour TFT
Display area	: 150 mm x 90 mm
Dimensions	: H280 x W 330 x D220 mm (Max) without Paddle
Weight	: Approx.6 Kgs.
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 EtCO2
Charge/ Discharge Control	: Charge and Shock buttons on front panel and paddles.

2. Power Supply

Input	: 150 - 276 VAC, 50 Hz, 1 Ø
Battery	: 12 V 4.5Ah, Rechargeable, (Sealed Lead Acid)
Back-up time	: 3 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

3. Environmental

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

4. Defib (External Paddles)

Operating Mode	: Manual
Waveform	: Biphasic Truncated Exponential
Energy	: 2 to 200 joules in 12 steps selection
Energy display	: Displays selected and charged/delivered energy
Synchronous Cardio Version	: Energy delivery begins within 60 ms of the QRS Peak
Charging Time	: 6 seconds on Mains
Paddle Assembly	: External paddle assembly with coil retractable high voltage cable. Adults & Pediatric paddle integrated to same handle
Check Mode	: Manual check mode
Patient Impedance range	: 35 ohm to 250 ohm
Shock Delivery	: Through paddles or pads

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5. Defib (Internal Paddles)(Optional)

Operating Mode	: Manual
Waveform	: Biphasic Truncated Exponential
Energy	: 2 to 50 joules in 8 steps selection
Synchronous Cardio Version	: Energy delivery begins within 60 ms of the QRS Peak
Charging Time	: 6 seconds on Mains
Paddle Assembly	: Internal paddle assembly with paddle extension cord

6. 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
Digital filter	: Digital signal processing for good quality of ECG
ECG traces viewing	: 4 seconds of ECG traces can be viewed

7. Heart Rate

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

8. Printer

Paper Type	: Thermal paper 50/55mm width, 20 meters length for 2" 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 10sec 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

9. SpO2(optional)

Range	: 0 - 100%
Accuracy	: $\pm 2\%$ (70~100% SpO2) : $\pm 3\%$ (35~69% SpO2)
Pulse rate	: Displayed in ECG window, when PR is selected
Pulse beep	: Yes, with volume control
PR Range	: 10 to 250 bpm (+/- 2 bpm)
Pitch variation with change in oxygen saturation.	

10. NIBP(optional)

Systolic, Diastolic and Mean arterial pressure	
Range	: 10-250mmHg
Method	: Oscillometric
NIBP interval	: User selectable, 2 min. to 250 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

11. AED Mode (optional)

Wave form	: Biphasic truncated exponential
AED Shock Series	: Energy level 200J
Charge Command	: Automatic after identifying shockable rhythm
Shock Command	: Front panel button, shock
Controls	: Analyze
Defibrillation Electrode	: Self adhesive, adult pads
Voice and Text prompts	: Extensive text and audible messages to guide user

12. PACER (Optional)

Wave form : Monophasic
Modes : Demand or Non Demand
Pulse Current : From 10mA to 150 mA (resolution of 10 mA),
Pulse Duration : 40 ms (+/- 1ms)
Pacing rate : From 20 ppm to 250 ppm (increments of 1 ppm)
Refractory period : 340 ms (from 30 to 80 ppm); 240 ms(from 90 to 180 ppm).
Maximum output voltage: 150 V.
Impedance range : 200 ohm to 1 k ohm

13. EtCO2(optional)

Parameter : EtCO2, RR
Adaptor : Adult, Pediatric, Neonate
Measurement Mode : Mainstream & Side stream
EtCO2 Range : 0-100 mmHg
Accuracy : +/- 2 mmHg
Respiration Range : 0-120 bpm

* Due to our continuous product development program, the specification may change without prior notice.