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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

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

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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 – 240 (step of 1)
High alarm limit range : 10 – 250 (step of 1)

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.

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.