

Specifications

General

Display	:	7 inch Colour TFT
Display area	:	150 mm x 90 mm
Dimensions	:	H280 x W 330 x D220 mm (Max) without Paddle
Weight	:	Approx. 6 Kgs. Max.

Power Supply

Input	:	150 - 270 VAC, 50 Hz, 1 \emptyset
Battery	:	12 V 4.5Ah, Rechargeable
Battery capacity	:	3 hours for monitor and 70 - 100 shocks on single charge
LED indicator	:	Low battery and battery charging
Power consumption	:	30 Watts (max.) in ECG mode

Environmental

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

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Defib

Operating Mode	:	Manual
Waveform	:	Biphasic
Energy	:	2 to 360 joules in 15 steps selection
Synchronous	:	Energy delivery begins within 60 ms of the QRS Peak
Charging Time	:	6 second on mains
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, Encoder & 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
Digital filter	:	Digital signal processing for good quality of 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 10 sec ECG through paddle
Print Annotates in Defib Mode	:	Time, Date, Mode, lead name, gain, sweep speed
ECG in Monitor Mode	:	Prints last 10 sec ECG through cable
Print Annotates in Monitor Mode	:	Time, Date, selected lead name, Gain, Sweep speed
Manual Defib Check	:	Prints the status of Shock, Energy, Date and Time Mode

AED Mode OPTIONAL

Wave form	:	Biphasic
AED Shock Series	:	Energy level 200J
Charge Command	:	Automatic after identifying arrhythmia
Shock Command	:	front panel button, shock
Charging Time	:	Less than 8 Sec
Controls	:	Analyze
Defibrillation Electrode:		Self adhesive, adult electrodes
Voice and Text prompts:		Voice and text prompts to guide user

PACER OPTIONAL

Wave form	:	monophasic
Modes	:	Demand or Non Demand
Amplitude	:	From 10mA to 150 mA (resolution of 10 mA),
Pulse Width	:	40 ms (+/- 1ms)
Frequêncy	:	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.

SpO2 OPTIONAL

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

NIBP OPTIONAL

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
Range	:	10 - 250 mmHg
NIBP Status	:	"Ready"- when not taking reading "Measuring"-when taking reading "Error"- if reading could not be taken due to some error while measuring
Patient Type	:	Adult, Pediatric, Neonate

EtCO₂

Parameters	:	CO ₂ ,RR
Measurement unit	:	mm Hg
Breath rate	:	3~150 bpm
Range	:	0 to 100mmHg
Accuracy	:	2mmHg
Resolution	:	1 mmHg