



Defibrillate
before its
too LATE !!!

Key Features

- Variable energy level selection. (2, 3, 5, 7, 10, 20, 30, 50, 70, 100, 150, 200 Joules)
- Battery Capacity: 70–100 shocks on single charge
- Adult & paediatric paddles support
- Compact & Light weight
- Printer
- Optional: Non invasive pacing, SpO₂, NIBP, AED, EtCO₂
- Optional: Energy 360 Joules



Technical Specifications

General

Display	: 320 x 240 pixels, 7" Blue LCD with LED backlit
Display area	: 150mm x 90mm
Dimensions	: H280 x W330 x D220mm (max.) without Paddle
Weight	: 6 Kgs.
Trend	: 24 Hrs graphical and tabular trend of ECG Optional - SpO ₂ , NIBP, EtCO ₂

Defibrillator

Operating Mode	: Synchronous & Non-Synchronous
Waveform	: Bi-phasic, Truncated exponential selection
Energy	: 2 to 200 joules in 12 steps
Synchronous	: 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 & Paediatric paddle integrated to same handle
Check Mode	: Manual test mode
Operation	: By front Panel keyboard and paddle buttons
Patient Impedance	
Range	: 35Ω–250Ω
Energy 360Joules	: Optional
Internal Paddles	: Optional

ECG

Frequency Response	: 0.5 Hz–40 Hz (ECG)
Frequency Response	: 0.5 Hz–30 Hz (Paddle)
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)
Data Output	: Analog output of ECG
Digital filter	: Digital signal processing for good quality of ECG
Freeze mode	: To freeze last 4 seconds ECG

Printer

Paper Type	: Thermal paper 50/55 mm 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 10 sec ECG through paddle
ECG in Monitor Mode	: Prints last 10 sec ECG through cable
Print Annotates	: Time, Date, Mode, Lead Name, Gain, Sweep Speed
Manual Defib	
Check Mode	: Prints the status of Shock, Energy, Date and Time
Delay	: 10 sec

Environmental Conditions

Operating Temp.	: (-)5°C to 50°C
Humidity	: Up to 95 % non-condensing

Heart Rate

Range	: 10-250 BPM
Accuracy	: +/- 2 BPM
Resolution	: 1 BPM
Tone	: Beep on every QRS detected
Low alarm Limit Range	: 30-245 (step of 5)
High alarm Limit range	: 40-250 (step of 5)

Power Supply (AC Mains Through Adaptor)

Input	: 150-276v AC, 50Hz, 60Hz, 12v DC for ambulance (Optional)
Output	: 17V@4A
Battery	: 12v/4.5 Ah Rechargeable (Sealed Lead Acid)
Back-up time	: 3 hours min on full charge in ECG mode /70-100 shock of 200 Joules in defib mode (full charge)
Power consumption	: 30 Watts (max) in ECG mode

Optionals

SpO₂

Range	: 0-100%
Accuracy	: ±2% (70–100% SpO ₂) ±3% (35–69% SpO ₂)
PR Range	: 10–250 bpm (±2bpm)

NIBP

Pressure	: Systolic, Diastolic and Mean arterial pressure
Range	: 10–250 mmHG
Method	: Oscillometric
NIBP Interval	: User selectable, 2 mins - 250 mins
Modes	: Manual, Automatic

AED Mode

Waveform	: Biphasic truncated exponential
AED Shock Series	: Energy level 200J
Defibrillation Electrode	: Self adhesive, adult pads
Voice and Text Prompts	: Extensive Text and audible messages to guide user

Pacer

Waveform	: Monophasic
Modes	: Demand or Non-demand
Pulse Current	: From 10mA–150mA
Pulse Duration	: 40 ms (± 1ms)
Pacing Rate	: From 20 ppm–250 ppm
Refractory Period	: 340 ms (30–80ppm); 240ms (90–180ppm)
Max. Output Voltage	: 150V
Impedance Range	: 200Ω–1KΩ

EtCO₂

Parameter	: EtCO ₂ , RR
Adaptor	: Adult, Paediatric, Neonate
Measurement Mode	: Mainstream and side stream
EtCO ₂ Range	: 0–100 mmHG
Accuracy	: ± 2 mmHG
Respiration Range	: 0–120 bpm



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