

# Technical Specifications

## Standard Configuration

AED, Pacer, RESP, Thermal Recorder, 360J  
Optional Modes – NIBP, EtCO<sub>2</sub>, SpO<sub>2</sub>

## Physical Specification

Size	295mm x 252mm x 316mm
Weight	6.5 kg.
Screen Size	7" TFT Screen
Resolution	800x480
Waveforms	Max 4 waveforms

## Environmental Configuration

Temp	0–45°C
Humidity	10%–95%, non-condensation
Ingress Protection	IP44
Power Requirement	100–240V, 50/60Hz ± 3Hz

## Battery

Battery	Lithium-ion Battery
Battery Backup	Monitoring Mode - min, 6hrs Defib Mode: 210 Shocks of 360J Pacing Mode: 4.5 hours

## Data Storage

Alarm Event	200 groups
Patient Event	1000 events
Wave Review	10 mins
NIBP Review	2000 groups
Trends	160 hrs
Voice Recording	Max 240 mins in total

## Defibrillator

Operating Mode	Manual Mode, AED Mode, Synchronous Defibrillation
Waveform	Bi-phasic, Truncated exponential waveform with impedance compensation
Charge Time	Less than 6 seconds (AC Power)
Patient Impedance	20–300Ω (External defibrillation)
Range	
Manual Mode	1–360 J, 25 types (1/2/3/4/5/6/7/8/9/10/15/20/30/50/70/100/150 / 170/ 200/220/250/270/300/360J)

## AED Mode

Output Energy	Adjustable; 100J–360J
Number of Electric Shock	Adjustable; Once / Twice / 3 Times
Types of AED	VF & VT

## Recorder

Type	Built-in; Thermal Array
Channel	Max 3 channel waveforms

## Monitoring

Lead Type	3 leads ECG, 5 leads ECG, AUTO
Sweep Speed	6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s
Heart Rate	Adult : 15–300bpm; Paediatric: 15–350bpm
Resolution	1bpm
Accuracy	± 1bpm
CMRR	Monitoring: > 105dB Diagnosis: > 90dB Surgery: > 105dB ST: > 105dB

## Respiration

Method	Thoracic Impedance Method
RR Measurement	Adult: 0–120rpm; Pediatric: 0–150rpm
Accuracy	7–150rpm: ± 2rpm or ± 2% (whichever is greater) 0–6rpm: unspecified

## Non-Invasive Pacing

Waveform	Monophasic square wave pulse
Pulse Width	20ms or 40ms
Accuracy	± 15%
Pacing Mode	On-demand or fixed
Pacing Frequency	30ppm to 210ppm
Accuracy	± 1ppm or ± 1.5% (whichever is greater)
Pacing Output	0 mA to 200 mA
Accuracy	± 5% or ± 5mA, whichever is greater

## Interfacing

USB Interface  
RJ45 interface  
Multi-functional connector

## Optionals

### SpO<sub>2</sub>

Type	Self / Nellcor / Masimo
Range	0–100%
Resolution	1%
Accuracy	± 2%
PR Range	20–254bpm

### NIBP

Initial Inflation Range	20–250 mmHG
Over Pressure Protection	300mmHG
Resolution	± 3mmHG
Range of Systolic Pressure	40–260mmHG (Adult) / 40–160mmHG (Paed)
Range of Dystolic Pressure	20–200mmHG (Adult) / 20–120mmHG (Paed)
Range of Mean Pressure	26–220mmHG (Adult) / 26–133mmHG (Paed)
PR from NIBP	30–220bpm

### EtCO<sub>2</sub>

Type	Respironics/ Masimo
Measurement Range	0–190mmHG
Resolution	1mmHG or 0.1% or 0.1kPa
AWRR Range	0–150rpm
AWRR Accuracy	± 1rpm



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