



ALLIED
MEDICAL

Cardiasafe II

Biphasic Defibrillator Monitor



An innovative
and fastest device
for resuscitation
and saving lives !!

Technical Specifications

Standard Configuration

AED, Pacer, RESP, Thermal Recorder, 360J
Optional Modes – NIBP, EtCO₂, SpO₂

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)
Patience Impedance Range	20–300Ω(External defibrillation)
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

SpO₂	
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
EtCO₂	
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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