

LIFEPAK CR2 Essential

Specifications

Defibrillator

Waveform: Biphasic Truncated Exponential with voltage and duration compensation for patient impedance.

Patient Impedance Range: 10–300 ohms

Energy Accuracy:

10% of the energy setting into 50 ohms

15% of the rated energy output into 25–175 ohms

Output Energy Sequence: Multiple levels, configurable from 150 joules to 360 joules.

Energy Default: 200J, 300J, 360J (adult)
50J, 75J, 90J (paediatric)

Shock Advisory System™: An ECG analysis system that advises whether a shock is appropriate; meets rhythm recognition criteria specified in IEC 60601-2-4.

CPR Coaching: Instructions for adult and paediatric CPR, including feedback when no CPR is detected, rate and depth guidance, a metronome and instructions on hand placement.

Time to Shock at 360J after CPR:

- **Semi-Automatic:** < 17 seconds

Charge Time: 0 seconds for first 150J or 200J shock (as device is pre-charged).

Controls

Lid Release/ON-OFF: Controls device power.

Shock button, Semi-automatic: Delivers energy when button pressed by the user.

Shock button, Fully Automatic: Flashes prior to delivering shock without requiring user intervention.

Child Mode Button: Allows operator to switch to Child Mode for reduced energy and CPR guidance appropriate for children.

Language Button: Optional feature allows operator to switch between the Primary and Secondary languages for an optional multi-language configuration.

Electrical Protection: Input protected against high voltage defibrillator pulses per IEC 60601-1/EN 60601-1.

Safety Classification: Internally powered equipment. IEC 60601-1/EN 60601-1.

User Interface

User Interface: The user interface includes voice prompts and audible tones.

ClearVoice™ Technology: Volume adjusts automatically based on the noise level of the surrounding environment.

Device Status Indicators: Visual and audible indicators indicating system readiness (device, pads and battery).

Environmental

Note: All performance specifications defined assume the unit has been stored (two hours minimum) at operating temperature prior to operation.

Operating Temperature:

0° to +50°C (+32° to +122°F).

Storage Temperature: -30° to +60°C (-22° to +140°F) with battery and electrodes, maximum exposure time limited to one week.

Long Term Storage: Always store the defibrillator within the recommended temperature range of 15° to 35°C (59° to 95°F).

Altitude: -382 to 4,572 m (-1,253 to 15,000 ft).

Relative Humidity: 5 to 95% (non-condensing).

Water Resistance: IEC 60529/EN 60529 IPX5 with electrodes connected and battery installed.

Dust Resistance: IEC 60529/EN 60529 IP5X with electrodes connected and battery installed.

Shock: MIL-STD-810F, Method 516.4, Procedure 1, (40g, 6-9 ms pulse, 1/2 sine each axis).

Vibration: MIL-STD-810F, Method 514.4, Helicopter –category 6 (3.75 Grms) and Ground Mobile – category 8 (2.85 Grms).

Physical Characteristics

With handle, including electrodes and battery:

Height: 9.7 cm (3.8 in)

Width: 22.6 cm (8.9 in)

Depth: 27.4 cm (10.8 in)

Weight: 2.0 kg (4.5 lb)

Accessories

PRIMARY BATTERY

Type: Lithium Manganese Dioxide (Li/MnO₂), 12.0V, 4.7 amp-hours.

Capacity (at 20°C): Will provide 166 200 joule shocks (with one minute of CPR between shocks) or 103 360 joules shocks (with one minute of CPR between shocks) or 800 minutes of operating time.

Standby Life (assuming daily tests only): A new battery provides device power for 4 years if installed in device that is not used.

Replace Battery Indication: At least 6 shocks and 30 minutes of operating time remain when first indicated.

Weight: 0.3 kg (0.7 lb).

ELECTRODE PADS

Pads: Can be used on both adult and paediatric patients.

Pads Packaging: User intuitive, rapid access electrodes.

Pads Replacement: Replace every 4 years or after use.

Data Storage

Memory Type: Internal digital memory (flash RAM).

ECG Storage: Minimum 60 minutes of ECG stored for two patient episodes.

Communications

Communications: USB

References

1. Physio-Control Internal Semi-Automatic AED Comparison Usability Study, August 2016.
2. Graham R, McCoy M, Schultz A. Strategies to Improve Cardiac Arrest Survival, A Time to Act. Institute of Medicine Report, 2015.

Although not everyone can be saved, studies show that early defibrillation can dramatically improve survival rates.

All claims valid as of August 2016. Distributor value to “Customer Managed”. All claims valid as of August 2016.



Simply Saving Lives



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