stryker

Data sheet

LIFEPAK® CR2 defibrillator

USB

Features

- Layered, easy to follow design
- QUIK-STEP™ electrodes for both adult and paediatric patients
- Fast time to first shock[1]
- Child Mode button
- Fully automatic and semi-automatic models available

Sudden cardiac arrest (SCA) can happen to anyone—anywhere. Immediate treatment is vital. A victim's chance of survival dramatically decreases for every minute without treatment.[2] That's why public access defibrillators are so important. They put lifesaving technology where it can do the most good.

- **Designed for user confidence**
  LIFEPAK CR2 is designed to keep the rescuer focused on what really matters—saving a life.[1]
- **Layered design**
  Layered design with easy to follow bold graphics. Both trained and untrained AED users clearly know how to begin.
- **QUIK-STEP electrodes**
  Peel directly off the base for faster placement.
- **Child Mode**
  Child Mode delivers reduced energy and CPR guidance appropriate for children, without having to change electrodes.
- **Metronome and CPR coaching**
  Quickly sets an effective pace and audibly guides users by providing prompts that continually advise correct technique and depth.
- **ClearVoice™ technology**
  Detects background noise and adjusts tones and voice prompts to ensure they can be heard clearly in noisy environments.
- **Highest available escalating energy**
  Up to 360J for more effective shocks as needed.
- **LIFEPAK TOUGH™**
  IP55 rating for challenging environments.
- **8-year warranty**
  Backed by an 8-year warranty.

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.

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

Shock Advisory System™: An ECG analysis system that advises whether a shock is appropriate.

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
- **Fully automatic:** < 23 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 from one year old.

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: Detects background noise and adjusts audio and voice prompts to ensure they can be heard clearly in noisy environments.

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).

Dust and water resistance: IEC 60529/ EN 60529 IP55 with electrodes connected and battery installed.

Shock: IEC 60068-2-27, (40g, 11 ms pulse, ½ sine each axis).

Vibration: MIL-STD-810G, Method 514.6, helicopter – category 14 and ground vehicle – category 20.

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/MnO_2), 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 each patient 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.

All claims valid as of October 2020.
For further information, please contact your Stryker representative or visit our website at strykeremergencycare.com

Emergency Care Public Access

AED users should be trained in CPR and in the use of the AED.

Although not everyone can be saved, studies show that early defibrillation can dramatically improve survival rates. AEDs are indicated for use on adults and children. AEDs may be used on children weighing less than 25 kg (55 lbs) but some models require separate defibrillation electrodes.

The information presented is intended to demonstrate Stryker's product offerings. Refer to operating instructions for complete directions for use indications, contraindications, warnings, cautions, and potential adverse events, before using any of Stryker's products. Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your representative if you have questions about the availability of Stryker's products in your area. Specifications subject to change without notice. The products depicted are CE marked in accordance with applicable EU Regulations and Directives.

10/2020
GDR 3330580_D

CE Class IIb (0123)
Physio-Control, Inc.
11811 Willows Road NE
Redmond, WA, 98052 U.S.A.
Toll free 800 442 1142
strykeremergencycare.com

Stryker European Operations B.V.
Herikerbergweg 110
1101 CM Amsterdam
Netherlands
Tel +31 (0)43 3620008
Fax +31 (0)43 3632001