



The **Physio-Control Lifepak Express** is an automatic external defibrillator. Every minute counts when sudden cardiac arrest (SCA) happens. The Physio-Control Lifepak Express helps make early defibrillation possible. The Quik-Pak electrode pads, help the defibrillator quickly analyze the heart rhythm and provide step-by-step voice instructions. The defibrillation system comes with a flashing shock button, when alerted, prompts the rescuer to push the button. The AED can deliver up to 360 joules of energy to the patient if needed.

Features

- 360 joules capability
- Step-by-step ClearVoice prompts
- Flashing shock button
- Lightweight and compact
- Highly visible readiness indicator
- Simplified maintenance



Specifications

Dimensions

Height: 4.2" (10.7 cm)

Width: 8" (20.3 cm)

Depth: 9.5" (24.1 cm)

Weight: 4.5 lbs (2 kg)

Defibrillator

Waveform: Biphasic truncated exponential, with voltage and current duration compensation for patient impedance.

Output Energy Sequence: Multiple levels, configurable from 150 joules to 360 joules. Factory default settings of 200J, 300J, 360J.

Output Energy Accuracy: $\pm 10\%$ into 50 ohms, $\pm 15\%$ into 25 to 100 ohms.

Shock Advisory System: An ECG analysis system that advises whether a shock is appropriate; meets rhythm recognition criteria specified in DF39.

The device charges for shock only when the Shock Advisory System advises defibrillation.

Device Capacity

Capacity: Thirty (20) full discharges or 140 minutes of "on time" with a fully charged device.

Shock Charge Time: Charge times with a fully charged device: 200 joules in less than 9 seconds, 360 joules in less than 15 seconds.

System Recharge Times: Recharge times with a fully discharged device: Able to deliver 6 shocks or provide 42 minutes of operating time after 24 hours of recharge time and 20 shocks or 140 minutes of operating time after 72 hours of recharge time with a new CHARGEPAK at temperatures above 15° C (59° F).

Controls

Lid Release/ON-OFF: Controls device power.

SHOCK Button: delivers defibrillation energy.

User Interface

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

Readiness Display: The readiness display shows the device status.

OK Indicator: Shows "OK" when the last self-test was completed successfully. When the "OK" indicator is visible, all other indicators are not visible. The "OK" indicator is not displayed during device operation.

CHARGE-PAK Indicator: When displayed, replace the CHARGE-PAK battery charger.

Attention Indicator: When first displayed, at least six (6) discharges or 42 minutes of operating time remain.

Service Indicator: Service required when displayed.



Specifications

Default Settings

Energy Sequence: Energy sequence is set to 200J, 300J, 360J.

Motion Detection: The motion detection system is set to on during analysis.

Energy Protocol: The energy protocol is set to increase energy only after a lower energy shock was unsuccessful.

Stack Shocks: Stack shocks option is set to off.

Turn-On Prompt: The turn-on prompt is set to provide voice prompts upon power on.

CPR Time: The CPR Time is set to 120 seconds.

Voice Prompt Volume: The voice prompt volume is set to high.

Data Storage

Memory Type: Internal digital memory.

ECG Storage: Dual patient data storage. Minimum 20 minutes of ECG stored for the current patient, summarized data stored for the previous patient.

Report Types

Continuous ECG – A continuous patient ECG report.

Continuous Summary report – A summary of critical resuscitation events and ECG waveform segments associated with these events.

Event Log report – A report of time stamped markers, which reflect operator and device activity.

Test Log report – A device self-test activity report.

Capacity: Minimum 200 time-stamped event log markers.

Communications: Wireless transfer to a personal computer.

Data Review: Physio-Control provides an array of tools to meet customer needs for data viewing and analysis.

Environmental

Operating Temperature: 0° to +50°C (+32° to +122°F).

Long-term storage temperature: +15° to +35°C (59° to 95°F)

Short-term storage temperature: -40° to +70°C (-40° to 158°F) for a maximum of one week.

Atmospheric Pressure: 760 mmHg to 429 mmHg, 0 to 15,000 feet above sea level.

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

Water Resistance: IEC60529/EN60529 IPX4 "Splash proof" with electrodes connected, CHARGE-PAK installed.

