At the scene of a sudden cardiac arrest (SCA), there is no time to lose—every minute that passes means less of a chance for a victim to be saved. But no matter where or when SCA strikes, early use of a defibrillator is the only effective treatment for ventricular fibrillation (VF), a potentially fatal heart rhythm associated with SCA. Although not everyone can be saved from sudden cardiac arrest, studies show that early defibrillation can dramatically improve survival rates. The LIFEPAK EXPRESS defibrillator from Physio-Control is designed to be used by the first person to respond to an SCA victim—easily, safely, and effectively.

The LIFEPAK EXPRESS defibrillator is a critical resource that is easy to use.

Once a first responder—a coworker or simply someone nearby—activates the device and applies the QUIK-PAK™ electrode pads to the victim, the defibrillator analyzes the heart rhythm and provides step-by-step instructions via our calm, confident ClearVoice prompts. The LIFEPAK EXPRESS is designed to determine if a shock is needed and the easy-to-locate, flashing shock button alerts the rescuer to push the button.

The LIFEPAK EXPRESS defibrillator provides the most potent defibrillation energy available.

An initial shock to an SCA victim is delivered at 200 joules (200J), which has been shown to be effective in defibrillating the heart of a majority of patients. However, because some people are more difficult to defibrillate than others—and may need more than 200J—the LIFEPAK EXPRESS has the capability to escalate energy up to an industry-leading 360J.

LIFEPAK® devices from Physio-Control are the choice of professionals.

Although a rescuer may quickly respond to a sudden cardiac arrest victim, time can be lost in the transition to EMS. That’s why the LIFEPAK EXPRESS and all other LIFEPAK devices—the choice of more EMS units around the world than any other brand—use compatible electrodes and other technology, reducing the time it takes to transfer a victim to the care they need.

The LIFEPAK EXPRESS defibrillator is reliable and easy to own.

A readiness indicator lets you know the defibrillator is prepared to do its job. And the battery charger and electrodes have a synchronized replacement schedule that makes your maintenance program efficient and affordable.
**SPECIFICATIONS**

**DEFIBRILLATOR**

**Waveform:** Biphasic truncated exponential, with voltage compensation.

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

**Output Energy Accuracy:** ±10% into 50 ohms, ±15% into 25 to 100 ohms.

**Shock Advisory System™:** An ECG system that advises whether a shock is appropriate; meets rhythm recognition criteria specified in IEC61850.

**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 20 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 CHARGE-PAK battery charger at temperatures above 15°C (59°F).

**Controls:** Lid Release/ON-OFF - Controls device power.

**Electrical Protection:** Input protected against high voltage defibrillator pulses per IEC60601-1 category 6 (3.75 Grms) and Ground Mobile - category 8 (2.85 Grms).

**Safety Classification:** Internally powered equipment. IEC60601-1-EN60601-1.

**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 remaining.

**Service Indicator:** Service required when displayed.

**ENVIRONMENTAL**

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

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

**Storage Temperature:** -40° to +70°C (-40° to +158°F) with CHARGE-PAK battery charger and electrodes, maximum exposure time limited to 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 battery charger installed.

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

**Vibration:** MIL-STD-810E, Method 514.1, Accelerometer - category 6 (3.75 Grms) and Ground Mobile - category 8 (2.85 Grms).

**PHYSICAL CHARACTERISTICS**

**Height:** 10.7 cm (4.2 in)

**Width:** 20.3 cm (8.0 in)

**Depth:** 24.1 cm (9.5 in), excluding handle.

**Weight:** 2.0 kg (4.5 lb) with CHARGE-PAK battery charger and electrodes.

**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.

**ACCESSORIES**

**CHARGE-PAK Battery Charger**

**Type:** LiSO2/2012 Lithium Sulfuryl Chloride, 11.7V, 1.4 amp-hours.

**Replacement:** Replace the CHARGE-PAK battery charger nd QUIK-PAK electrodes packet after using the defibrillator, if the CHARGE-PAK symbol appears in the readiness display or when the Use By date is reached (typically 2 years).

**Weight:** 80.5 grams (0.18 lb)

**QUIK-PAK™ Electrode Pads**

**Pads:** ECG is received from disposable defibrillation electrodes, standard placement (anterior-lateral).

**AED users should be trained in CPR and use of the AED. Please consult your physician. LIFEPAK AEDs require a prescription.**

For further information, please contact Physio-Control at 800.442.1142 (U.S.), 888.870.0977 (Canada) or visit our website at www.physio-control.com