



The **Physio-Control Lifepak 9** is a defibrillator/monitor with a microprocessor. The Lifepak 9 defibrillation system offers a simple, user-friendly operation. The Lifepak defibrillation system features both high and low energy selections, cardioscope, non-invasive pacing, and 3-lead and 5-lead ECG monitoring. The Physio-Control Lifepak 9 also features an adaptor that allows for hands-free defibrillation. The microprocessor determines how many joules of energy are required for defibrillating a patient. Allowing the system to readjust to low battery power or lower voltage uses, with paddles for both adult and pediatric patients.

## Features

- Microprocessor-based unit with optimal pacing
- Can operate on either AC power or internal battery power
- Built-in recorder and 3-5 lead ECG monitoring
- CRT Monitoring that can display heart rate and alarms
- Front panel push buttons provide controls for most functions



# Specifications

## Dimensions

Height: 35.2 cm (13.9 in)  
Width: 29.7 cm (11.7 in)  
Depth: 31cm (12.2 in)  
Weight: 12.7 kg ( 28 lbs)

## General Specifications

Power Cord Length: 3m (10 Ft)  
Standard Paddle Electrode area: 82 square cm  
AC Input Option: 120 or 240 Vac nominal line voltage without adjustment. 50 or 60Hz, with adjustment in SET UP menu.  
Battery type: Sealed lead-acid, 16 Vdc nominal, 3 Amp-hour  
low battery indicator: Advises operator to connect AC power.  
Battery Charge Indicator: Illuminates when battery is charging.  
Battery Charge Time: 24 hours to full capacity.  
Service Indicator: Indicates self-diagnostic routines have detected improper operation requiring service attention.  
Power Consumption: 160 Watts maximum while monitoring with recorder ON and defibrillator charging.

## ECG Monitor

ECG Lead Selections: Std, Paddles, I, II, III  
Input: Isolated ECG via QUIK-LOOK® defibrillator paddles, FAST-PATCH® disposable defibrillation/ ECG electrodes or 3-lead patient cable.  
Patient Cable Length: 4.0m (13 ft) total length; 3.1m cable (10 ft) with 0.9m leads (3 ft)  
Common Mode Rejection: 100dB minimum with respect to chassis ground and 65dB minimum with respect to isolated ground, when measured at 60Hz. Common mode range for patient cable input  $\geq 10$  Volts peak with respect to isolated ground.  
Monitor Display Size: 102mm (4 in) wide x 76mm (3 in) tall, non-fade  
Sweep Speed: 25mm/second  
Frequency Response: Non-diagnostic  
ECG Leads: 1.0 to 40Hz (-3dB)  
Paddles: 2.2 to 20Hz (-3dB)  
ECG Size: Adjusts amplitude of ECG trace on monitor and strip chart recorder.  
Heart Rate Meter: 3 digit readout displays rates from 20 to 300 bpm. Heart rates outside this range do not yield valid systole tones or heart rate display.  
Heart Rate Alarm: User selectable alarm limits. Three high/low settings (150/40, 120/60, 160/90). Other limit options available via SET UP menu.  
1 mV Cal: Momentary pushbutton switch on rear panel simulates a 1 mV signal pulse to the ECG input.  
ECG Output: 1 Volt/mV

## Environmental

Atmospheric Pressure: 797mmHg to 500mmHg (-570 to 11000 ft)  
Relative Humidity:  
0 to 95% (non-condensing) at 0 to 34°C  
0 to 80% (non-condensing) at 35 to 45°C  
Temperature Range: 0 to 45°C operating -30 to 65°C storage  
All specifications at 20°C unless otherwise stated.