

# Physio-Control Lifepak 9

Defibrillator/Monitor

Equipment for the way *you* operate

 Certified Refurbished

The Lifepak 9 is defibrillator/monitor, cardioscope and non-invasive pacemaker. It provides 17 energy selections, heart rate alarms, three-lead ECG monitoring, recorder and Code Summary™ critical event recorder.

The microprocessor-based Lifepak 9 includes an internal battery supply and is available with optional pediatric paddles, internal paddles, pacing cable and pads, and ECG patient cable and leads.



## ECG Monitor Features

- » ECG Lead Selections: STD, Paddles, I, II, III
- » Input: Isolated ECG via Quick-Look® defibrillator paddles, Fast-Patch® disposable defibrillation/ECG electrodes or three-lead patient cable
- » Patient Cable Length: 13-foot total length (10-foot w/ three-foot leads)
- » Common Mode Rejection: 100dB min. with respect to chassis ground and 65dB min. with respect isolated ground, when measured at 60Hz (common mode range for patient cable input is 10 Volts peak w/ respect to isolated ground)
- » Monitor Display Size: 4" (w) x 3" (h)
- » Sweep Speed: 25 mm/sec
- » Frequency Response: Non-diagnostic
- » ECG Leads: 1.0 to 40Hz (-3dB)
- » Paddles: 2.2 to 20 Hz (-3dB)
- » ECG Size: Adjusts amplitude of ECG trace on monitor and strip chart recorder
- » Heart Rate Meter: Three-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 with three high/low settings (150/40, 120/60, 160/90 – other limit options are available via set up menu); 1 mV Cal: Momentary push button switch on rear panel simulates a 1 mV signal pulse to the ECG input

## Defibrillator Specifications

### Energy Selection

- External Paddles ..... 1,2,3,4,5,6,7,8,9,10,20,30,50,100,200,300,360J
- Internal Paddles ..... 1,2,3,4,5,6,7,8,9,10,20,30,50J

Charge Controls ..... Independent momentary push-button controls on front panel and APEX paddle

Paddle Cord Length ..... 10 feet (3 m)

Charge Time ..... Charge to 360J in less than 10 s with a fully-charged battery

Defibrillator Energy .....  $\pm 15\%$  at 50 $\Omega$

Accuracy .....  $\pm 30\%$  over the range of 25 to 100 $\Omega$

Defibrillator Waveform ..... 5ms monophasic pulse

## General Specifications

AC Input Options ..... 120 to 240VAC nominal line voltage adjustment.  
50 or 60 Hz with adjustment in Setup Menu.

Battery Type ..... Sealed lead-acid, 16 Vdc nominal, 3Ahr

Battery Capacity (A new, fully-charged battery will provide one of the following prior to shutdown)

- Number of 360J discharges ..... Typical: 75 | Minimum: 40
- Minutes of monitoring ..... Typical: 90 | Minimum: 70

### Low Battery Indicator:

- Number of 360J discharges before warning ..... Typical: 50 | Minimum: 20
- Minutes of monitoring ..... Typical: 90 | Minimum: 70
- Battery Charge Time ..... 24 hours to full capacity

Power Consumption ..... 160W

Size ..... 13.9" h x 11.7" w x 12.2" d (35.2 cm h x 29.7 cm w x 31.0 cm d)

Weight ..... 28 lbs (12.7 kg)

Standard Paddle Electrode Area ..... 82cm<sup>2</sup>