![Soma Tech Intl logo]

The **Physio-Control Lifepak 20** is a handheld Defibrillator/ monitor, making it easy to move to the patient. The Lifepak 20 offers both manual and AED modes. The manual mode can provide up to 360J of energy while offering synchronous cardioversion and pacing as well. The Lifepak Defibrillator system comes with capabilities for both ALS and BLS users. When the system is in the AED mode, the Lifepaik 20 offers semi-automatic defibrillation that uses the Shock advisory System. This can analyze and detect a shockable rhythm. The defibrillator's color display can show waveforms for 3-lead ECG, alphanumeric values, and device instruction or prompts.

Features

- AHA/ERC Guidelines 2005 consistent cprMAX™ technology
- Simple yet sophisticated for responders of many skill levels
- Highly intuitive for quick, effective AED use
- Easily converts to manual mode
- ADAPTIV™ biphasic technology adjusts shock duration and voltage
- Broad dosage capability up to 360J, when needed
- Compact and lightweight for easy carrying and versatile use
- Superb color graphics allow easy viewing from many angles
- Flexible therapy options (See options below)
- Easy to maintain and service

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Specifications

Dimensions

Height: 8.4" (21.3 cm)

Width: 10.3" (26.2 cm)

Depth: 10.3" 26.2 cm)

Weight: fully featured defibrillator/monitor (pacing and SpO2) 5.58 kg (12.3 lbs)

Power

The device is an AC line operated device with an internal battery as back up.

AC Power: 90-132 VAC 50/60 Hz, 198-264 VAC 50/60 Hz

total power draw less than 75 Watts

Internal battery back up: NiMh, batteries charge while device operates from AC power

Operating time: a new fully charged internal backup battery will provide the following prior to shutdown: 120 minutes of monitoring, 135 minutes of monitoring without pulse oximeter, 90 360 joules discharges, and 70 minutes of monitoring plus pacing

Typical battery charge time: <2 hours when the device is powered off and AC power is applied

Low battery indication and message: when the device is unplugged from AC power, it switches to battery. When the battery gets low, the battery detection icon is indicated with low battery message in the status area, and warning tone occurs

Display

Height: 3.4" (8.63 cm)

Width: 4.53" (11.5 cm)

Resolution: 230 x 240 dot color active LCD

Display Time: a minimum of 4 seconds of ECG and alphanumeric for values, device instructions or prompts. Option to display one additional waveform.

Sweep Speed: 25 mm/sec for ECG.

Data Management

The device can easily print a CODE SUMMARY report, including an introduction to the patient information and critical event record. The summary report also includes event and vital signs log, and waveform associated with certain events.

Communications

The device can print archived patient records and has two data communications port, which supports a serial data cable.

Monitor

ECG: can be monitored through 3-wire or 5-wire ECG cables. Standard paddles or therapy electrodes are used for paddles lead monitoring

Lead selections: Leads I, II and III with a 3-wire ECG cable, leads I, II, III, AVR, AVL, and AVF, V acquired simultaneously with a 5-wire ECG cable.

ECG size: 4, 3, 2.5, 2, 1.5, 1, 0.5, 0.25 cm/mV

Heart rate display: 20-350 bpm digital display

Voice prompts: used for selected warnings and alarms, configured on/off

SpO2: saturation range: 1 to 100%

Saturation accuracy: (70-100%) (0-69% unspecified): Adults/ Pediatric: ±2 digits with no motion, ±3 digits with motion. Neonates: ±3 digits with or without motion

SpO2 update averaging rate: user selectable 4, 8, 12 or 16 seconds

SpO2 measurements: functional SpO2 values are displayed and stored

Pulse rate range: 25 to 240 pulses per minute

Pulse rate accuracy: ±3 digits without motion and ±5 digits with motion