

STRYKER PHYSIO-CONTROL LIFEPAK 15



ABOUT

The Stryker Physio-Control Lifepak 15 defibrillator/monitor gives you vast capabilities. The Lifepak 15 continuously monitors all 12 leads in the background. It alerts the operator to changes, gives EtCO₂ with continuous waveform capture, and features Masimo Rainbow SET technology to help detect hard-to-diagnose conditions with noninvasive carbon monoxide, SpO₂, and methemoglobin monitoring.

FEATURES

- **ADAPTIV Biphasic Technology Manual; AED External Defibrillation**, providing both manual and automated options for precise defibrillation.
- **8.4" Color LCD Screen**
- **CPR Metronome** uses audible prompts to guide you without distracting vocal critique, ensuring consistent chest compressions during resuscitation.
- **Noninvasive Pacing (Demand & Non-Demand)**
- **12-Lead ECG capability**, continuously monitoring all 12 leads to detect any changes in the patient's condition.
- **100mm Printer**, allowing for immediate printouts of critical data for documentation and analysis.
- **Lithium-ion dual battery system**, ensuring extended use with reliable battery performance.
- **Handle that fits two gloved hands for easy pass-off**, enabling secure and quick transport in emergency situations.



SPECIFICATIONS



DIMENSIONS

Height: 31.7 cm (12.5 in)

Width: 40.1 cm (15.8 in)

Depth: 23.1 cm (9.1 in)

Weight: Basic monitor/defibrillator with new roll paper and two batteries installed: 7.9 kg (17.5 lb)

Fully featured monitor/defibrillator = with new roll paper and two batteries installed: 8.4 kg (18.5 lb)

ACCESSORIES

Lithium-ion battery: =0.6kg (1.3lb)

Accessory Bags and Shoulder Strap: 1.77 kg (3.9 lb)

Standard (hard) Paddles: 0.95 kg (2.1 lb)

DISPLAY

Size: 6.7 in wide x 5 in high

Resolution: 480p

Display: up to three waveforms

DATA MANAGEMENT

Captures and stores patient data, events, waveforms, annotations and patient impedance on its internal memory.

Report Types:

Code Summaries of critical event record: short, medium, and long

12-lead ECG with STEMI statements

Continuous Waveform (transfer only)

Trend Summary

Vital Sign Summary

Snapshot

MEMORY CAPACITY

Total capacity is 360 minutes of continuous ECG, 90 minutes of continuous data from all channels, or 400 single waveform events.

Maximum memory capacity for a single patient includes up to 200 single waveform reports and 90 minutes of continuous ECG

COMMUNICATIONS

Bluetooth connectivity

The device can transfer data records by wired or wireless connection.

Serial Port RS232 communication + 12V available

ECG PARAMETERS

A 3-wire cable is used for 3-lead ECG monitoring.

A 5-wire cable is used for 7-lead ECG monitoring.

A 10-wire cable is used for 12-lead ECG acquisition. When the chest electrodes are removed, the 10-wire cable functions as a 4-wire cable.

Standard paddles or QUIK-COMBO pacing/defibrillation/ECG electrodes are used for paddle lead monitoring.

SPECIFICATIONS



MONITOR FREQUENCY RESPONSE

Monitor: 0.5 to 40 Hz or 1 to 30 Hz
Paddles: 2.5 to 30 Hz
12-lead ECG diagnostic: 0.05 to 150 Hz

OPERATING MODES

AED Mode: for automated ECG analysis and a prompted treatment protocol for patients in cardiac arrest.

Manual Mode: for performing manual defibrillation, synchronized cardioversion, noninvasive pacing, and ECG and vital sign monitoring.

Archive Mode: for accessing stored patient information.

Setup Mode: for changing default settings of the operating functions.

Service Mode: for authorized personnel to perform diagnostic tests and calibrations.

Demo Mode: for simulated waveforms and trend graphs for demonstration purposes.

MONITOR LEAD SELECTION

Leads I, II, III, (3-wire ECG cable)
Leads I, II, III, AVR, AVL, and AVF were acquired simultaneously (4-wire ECG cable)
Leads I, II, III, AVR, AVL, AVF, and C lead acquired simultaneously (5-wire ECG cable)
Leads I, II, III, AVR, AVL, AVF, V1, V2, V3, V4, V5, and V6 acquired simultaneously (10-wire ECG cable)

ECG SIZE

4, 3, 2.5, 2, 1.5, 1, 0.5, 0.25 cm/mV (fixed at 1 cm/mV for 12-lead)

MONITOR HEART RATE DISPLAY

20–300 bpm digital display
Accuracy: $\pm 4\%$ or ± 3 bpm, whichever is greater
QRS Detection Range Duration: 40 to 120 msec
Amplitude: 0.5 to 5.0 m

COMMON MODE REJECTION (CMRR)

ECG Leads: 90 dB at 50/60 Hz