

TRAINER 1000 AUTOMATED EXTERNAL DEFIBRILLATOR TRAINING SYSTEM

Mimics the LIFEPAK® 1000 defibrillator in appearance and operation

Simulates AED and Manual Mode

Includes simulated cprMAX™ technology

Wireless remote control enables flexible training scenarios



The Trainer 1000 provides realistic training for LIFEPAK 1000 users. It utilizes the same screen messages, audible tones and voice prompts as those found in the LIFEPAK 1000 Defibrillator to guide users-in-training through simulated analysis, energy delivery and prompted CPR intervals.

A versatile trainer, the Trainer 1000 simulates both AED and Manual Mode. All functions are programmable to simulate the full range of possible set-up options found in the LIFEPAK 1000 Defibrillator. The Trainer 1000 allows you to run pre-configured shock scenarios or create a dynamic custom training event of your own using the included wireless remote control.

With a rechargeable Lithium-ion battery, the Trainer 1000 operates up to 4 hours.

Realistic, versatile and easy to use, the Trainer 1000 is ideal for training large groups and as an alternative to using a live defibrillator for training.



SPECIFICATIONS

DEFIBRILLATION

The Trainer 1000 operates just like the LIFEPAK® 1000 Defibrillator, but without delivery of shocks. Displayed energies are simulated.

Energy Sequence: User configurable, 150–360 joules. Default energy output settings are 200, 300, 360 joules, 360 joules for every shock thereafter.

REMOTE CONTROL

Transmission: Wireless infrared signal: Range 4 meters

Cable (Optional Use): 2 m

Size: 8.4 cm (3.3 in) x 4.6 cm (1.8 in) x 1.6 cm (0.6 in)

Batteries: 3 volts supplied by two AAA alkaline batteries

Weight: 33 g (.07 lb) without batteries, 55 g (.12 lb) with batteries

Buttons: 7-key membrane switch pad, labeled for the following functions: shock decision, electrode pad contact, motion, service required, replace battery, pause and change of scenario

TRAINER SETTINGS

Modes:

- **AED** – Provides operating simulation for basic users
- **Manual/ECG** – Provides operating simulation for advanced users
- **Setup** – Allows trainer to configure the device

Controls: On/Off, Shock, Menu, Two (2) configurable soft keys

Trainer Defined Options:

- **Energy Sequence** – Configurable from 150 to 360 joules
- **Flexible Protocol** – If ON, energy delivered by a shock will not be increased if the last heart rhythm was not shockable. (Default OFF.)
- **Auto Analyze** – Can be configured to auto analyze, auto analyze after first shock, or prompt user to push analyze key before each analysis period
- **CPR Time (post shock or after no shock advised)** – User configurable – 15, 30, 45, 60, 90, 120, 180 seconds
- **Voice Prompt Volume** – Volume can be adjusted as needed
- **ECG Display** – Turns ECG display ON/OFF in AED mode
- **Motion Detection** – Turns motion detection simulation ON/OFF
- **Service Alert** – Audible alarm ON/OFF simulates a LIFEPAK 1000 that needs servicing
- **Manual Access** – Devices with ECG “ON” can be configured to allow user to initiate a charge and shock without analysis.

cprMAX Technology Settings:

- **Initial CPR** – CPR time after first analysis regardless of analysis decision. Can be set to OFF, 15, 30, 45, 60, 90, 120 or 180 seconds.
- **Pre-shock CPR** – Allows user to perform CPR while device is charging. Can be set to OFF, 15 or 30 seconds.
- **Confirmation Analysis** – Confirms shockable rhythm after completion of Initial CPR or Pre-shock CPR periods and prior to push to shock prompt (default OFF)
- **Stacked Shocks** – (ON/OFF) When Off, allows for period of CPR after each shock
- **Pulse Check** – (Always, After Every NSA, Never) Allows device to prompt for pulse check after every shock, after every NSA, or never prompt for pulse check (default Never)

Training Scenarios – There are different training scenarios which can be selected in trainer setup or alternatively by remote control.

Languages – The Trainer 1000 is offered in different language versions. There are several languages contained in one trainer, which can be changed in the setup menu. The following language combinations are available:

- US English, British English, German, French, Italian, Dutch
- British English, Danish, Finnish, Norwegian, Swedish
- British English, Spanish, Greek, Italian, Iberian Portuguese
- British English, Greek, Croatian, Hungarian, Serbian, Slovenian
- British English, Czech, Lithuanian, Polish, Russian, Slovak

DISPLAY

Backlit LCD displays number of shocks delivered, elapsed time, text, graphics and optional ECG

Size: 120 mm (4.7 in) x 89 mm (3.5 in)

Display Resolution: 320 x 240

ECG Option:

- **Waveform Sweep Speed** – 25 mm/sec for ECG, nominal
- **Waveform Amplitude** – 1cm / mV, nominal
- **Heart Rate** – 20 to 300 BPM digital display, Display “...” if heart rate is less than 20 BPM. Heart symbol flashes for each QRS detection.

ECG information is a simulated signal from electrodes in anterior-lateral position.

INTERNAL BATTERY

Nominal voltage: 7.2 V

Fully charged batteries run the device for at least 3 hours. There is a warning before the device turns off at low battery. A plug-in charger is provided with the Trainer 1000.

ENVIRONMENTAL

Device designed for low impact, low stress environments. For use in temperature controlled areas protected from precipitation. Capable of withstanding heavy usage and prolonged periods of operation.

Operating Temperature: 0°C (32°F) to 40°C (104°F)

Storage Temperature: -20°C (0°F) to +60°C (140°F)

EMC:

Emission: EN 55011 Class B

Immunity: EN 61000-6-2

Housing: Flame Protection according to UL 94-V0

PHYSICAL CHARACTERISTICS

HEIGHT: 8.7 cm (3.4 in)

WIDTH: 23.4 cm (9.2 in)

DEPTH: 27.7 cm (10.9 in)

WEIGHT: 1.2 kg (2.6 lb), with bag and accessories: 1.9 kg (4.2 lb)

For further information, please contact Physio-Control at 800.442.1142 (U.S.), 888.879.0977 (Canada) or visit our website at www.physio-control.com.

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