

Lifeline ECG



Lifeline ECG Semi-Automatic Defibrillator with ECG Mode

LIVE ECG DATA DISPLAY FOR THE PROFESSIONAL RESPONDER

Meet the AED that's taking the Lifeline family to a whole new level. The Lifeline VIEW family of defibrillators are the first and only AEDs with video in full-motion color. The Lifeline ECG takes this revolutionary AED to a whole new level by offering professional responders a mode that displays the ECG in addition to an AED mode that gives step-by-step instructions for performing CPR, rescue breathing and external defibrillation.

And the Lifeline ECG's versatility doesn't stop there. Real Time Protocol Selection enables you to switch rescue protocols without skipping a beat, giving you the

comfort and confidence to deliver emergency care your way. As protocols change over time, your unit can be upgraded in the field in minutes.

Defibtech has drawn accolades for saving lives by producing the best AEDs medical technology can offer and currently has over 160,000 units in the field. With award-winning design, durability, and easy maintenance — backed by the Defibtech commitment to innovation and excellence — we can guarantee that you've never seen an AED like this before.

Lifeline ECG Semi-Automatic Defibrillator with ECG Mode

TECHNICAL SPECIFICATIONS†

OPERATING MODES

AED MODE

High resolution video display (animated instructions and CPR coaching).

ECG MONITOR MODE

Displays ECG data and event information (with 3-lead electrodes).

DEFIBRILLATOR

TYPE

Semi-Automatic external defibrillator

MODEL

DDU-2450

WAVEFORM

Impedance Compensated Biphasic Truncated Exponential

ENERGY*

Adult: 150 Joules
Child / Infant: 50 Joules
(Nominal into 50 ohm load)

CHARGE TIME

4 seconds or less
(from shock advised)*

CONTROLS

Lighted On/Off button
Lighted Shock button

DISPLAY

High-resolution color LCD

VIDEO PROMPTS

Full motion video
On-screen text prompts

CPR COACHING

Video and voice coaching
On-demand video help

VOICE PROMPTS

Extensive voice prompts guide user through operation of the unit

RESCUE PROTOCOL

AHA/ERC 2010
Supports protocol updates by the user (password protected)

*Typical, new battery, at 25°C

PATIENT ANALYSIS SYSTEM

PATIENT ANALYSIS

Automatically evaluates patient impedance for proper pad contact. Monitors signal quality and analyzes patient ECG for shockable/non-shockable rhythms.

SENSITIVITY/SPECIFICITY

Meets AAMI-DF-80 specifications and AHA recommendations

EVENT DOCUMENTATION

INTERNAL EVENT RECORD

Critical ECG segments and rescue event parameters are recorded (greater than 60 minutes) and can be downloaded to a removable data card

PC-BASED EVENT REVIEW

ECG with event tag display, and audio playback when available

REMOVABLE STORAGE

(optional) Up to 30 hours of ECG and event data storage (no audio option) or up to 3 hours of audio (audio option). ECG and event storage on a removable data card. Actual length of storage is dependent on card capacity.

USB PORT

Event download and maintenance operations

PHYSICAL

SIZE

7.3 x 9.5 x 2.3 inches
(18.5 x 24 x 5.8 cm)

WEIGHT (with battery)

Less than 3 lbs (1.4 kg)

SELF TESTS

AUTOMATIC

Automatic daily, weekly, monthly and quarterly circuitry tests

BATTERY INSERTION

System integrity test on battery insertion

PAD PRESENCE

Pads preconnected tested daily

USER-INITIATED

Unit and battery pack system test initiated by the user

STATUS INDICATION

Visual and audible indication of unit status

STATUS SCREEN

Unit self-test results
Pads and battery information (status and expiration)

DEFIBRILLATION / MONITORING PADS

MODEL

Adult: DDP-2001
Child / Infant:
DDP-2002 and DDP-2003

SURFACE AREA*

Adult: 77 cm²
Child / Infant: 50 cm²

TYPE

Pre-connected, single-use, non-polarized, disposable, self-adhesive electrodes with cable and connector

*nominal, each pad

BATTERY PACKS

MODEL

DBP-2003, DBP-2013 (aviation)

POWER

12V, 2800 mAh

TYPE

Lithium/Manganese Dioxide
Disposable, recyclable, non-rechargeable

CAPACITY*

125 shocks or 8 hours continuous operation

STANDBY LIFE*

4 years

LOW BATTERY INDICATORS

Visible
Audible

*Typical, with new battery at 25°C

ENVIRONMENTAL

TEMPERATURE

Operating: 0 to 50°C (32 to 122°F)
Standby: 0 to 50°C (32 to 122°F)

RELATIVE HUMIDITY

Operating / Standby: 5%-95%
(non-condensing)

ALTITUDE

-500 to 15,000 ft (-150 to 4500 m)
per MIL-STD-810F 500.4 Procedure II

VIBRATION

Ground (MIL-STD-810F 514.5 Category 20)

Helicopter (RTCA/DO-160D, Section 8.8.2, Cat R, Zone 2, Curve G)

Jet Aircraft (RTCA/DO-160D Section 8, Cat H, Zone 2, Curves B & R)

SHOCK / DROP ABUSE TOLERANCE

MIL-STD-810F 516.5 Procedure IV 48 inches (1.2 meters), any edge, corner, or surface, in standby mode

CRUSH TEST

1,000 pounds (450 kg)

SEALING / WATER RESISTANCE

IEC60529 class IP55; Dust protected; Protected against water jets (battery pack installed)

ESD

IEC 60601-4-2: (Open air up to 15kV or direct contact up to 8kV)

EMC (Emission)

CISPR 11 Group 1 Level B and FCC Part 15

EMC (Immunity)

IEC 61000-4-3 and IEC 61000-4-8

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