

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 colour. 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 has shipped more than a quarter of a million units worldwide. 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.

Defibtech 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 colour 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 (default);

supports protocol updates by the user (password protected)

*Typical, with new battery, at 25°C

PATIENT ANALYSIS SYSTEM

PATIENT ANALYSIS

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

SENSITIVITY/SPECIFICITY

Meets or exceeds IEC-60601-2-4 requirements; meets AAMI DF80 requirements 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

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.

PC-BASED EVENT REVIEW

ECG with event tag display, and audio playback when available

USB PORT

Event download and maintenance operations

SELF TESTS

AUTOMATIC

Automatic daily, weekly, monthly and quarterly circuitry tests

USER-INITIATED

Unit and battery pack system test initiated by the user

BATTERY INSERTION

System integrity test on battery insertion

STATUS INDICATION

Visual and audible indication of unit status

PAD PRESENCE

Pads preconnected tested daily

STATUS SCREEN

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

DEFIBRILLATION / MONITORING PADS

MODEL

Adult: DDP-2001

Child / Infant: DDP-2002

TYPE

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

SURFACE AREA**

Adult: 77 cm² (12 inches²)

Child / Infant: 50 cm² (7.75 inches²)

**Nominal, each pad

BATTERY PACKS

NON-RECHARGEABLE

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)

One Hour Operating Temperature Limit (extreme cold):

-20°C (-4°F)***

Standby: 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

1.2 meters (48 inches), any edge, corner, or surface, in standby mode

SEALING / WATER RESISTANCE

IEC 60529 class IP55;

Dust Protected, Protected against water jets (Battery pack installed)

ESD

IEC 61000-4-2: (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

***From room temperature to temperature extreme, one hour duration, updated specification for DDU-2000 Series AEDs running software revision 2.4 or above

PHYSICAL

SIZE

18.5 x 24 x 5.8 cm

(7.3 x 9.5 x 2.3 inches)

WEIGHT (with battery)

Less than 1.4 kg (3 lbs)



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†Specifications subject to change without notice

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