



The Lifeline AED

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The simplest to use defibrillator on the market

Whether you're a fully trained medical professional or a member of the public who finds the prospect of having to give someone defibrillation a daunting prospect, the Lifeline Automated External Defibrillator (AED) is designed to meet your needs.

In an emergency situation a matter of seconds can mean the difference between life and death. The Lifeline AED has a number of features that allow you to provide life-saving treatment as quickly and effectively as possible:

Latest Technology

The biphasic defibrillation we use is proven to be extremely effective at defibrillating patients in ventricular fibrillation - the most common form of Sudden Cardiac Arrest - on the first shock.

Easy To Use

The Lifeline AED is designed for speed and simplicity.

- Self-contained with pre connected pads
- Just two active buttons.
- Clear simple voice instructions guide you through the actions required.
- Only allows a shock to be delivered if one is required.
- [Proven to be the easiest AED to use in an independent study](#)

No Additional Maintenance Costs

The Lifeline AED automatically performs extensive internal self-tests that remove the need for expensive maintenance contracts or annual service engineer visits. A clearly visible status indicator gives reassurance at a glance that the unit is in perfect working order. A visible and audible alarm provides a warning if any faults are detected during daily, weekly, monthly and quarterly self-tests.

Future Proof

The Lifeline AED is designed to be "future-proof" to help you meet any future legislation changes. In Nov 2005 the European Resuscitation Council changed protocols requiring AED's to provide new shock arrangements. If these protocols change again in the future you can simply update the Lifeline AED yourself in just 3 minutes with a special data card that we send to you free-of-charge. Competitors units may require a return to the factory or even costly service engineer visit for reprogramming.

Choice of Options to Meet Your Budget and Your Needs

The Lifeline AED comes with a **5-year battery as standard** but a **7yr Battery option** is available

TECHNICAL SPECIFICATION

Type Semi-automatic external defibrillator

Waveform Biphasic Truncated Exponential (Impedance compensated)

Energy 150-Joules (nominal into 50 ohm load)

Charge Time (Typical) Less than 6 seconds (DBP-1400 battery pack).

Less than 9 seconds (DBP-2800 battery pack)

Voice Prompts Extensive voice prompts guide user through operation of the unit

Controls Lighted On / Off button. Lighted shock button

Indicators "Check pads" "Do not touch patient". "Analysing" AED status

LED

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 AAMI-DF-39 specifications and AHA recommendations

SELF TESTS

Automatic daily, weekly and monthly circuitry tests

Battery Insertion System integrity test on battery insertion

Pad Presence Pads pre-connected tested daily

User-Initiated Unit and battery pack system test initiated by the user

Status Indication Visual and audible indication of unit status

DEFIBRILLATION / MONITORING PADS

Model Adult – DDP-100/ Child/Infant – DDP-200P

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

Surface Area 103 cm² (nominal, each pad) / 50 cm² (nominal, each pad)

Pad Placement Adult – Anterior/Anterior/ Child/Infant – Anterior/Posterior

Cable length (typical) 122cm

EVENT DOCUMENTATION

Internal Event Record Critical ECG segments and rescue event parameters are recorded 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 12 hours of ECG and event data storage (no audio option) or up to 1:40 of audio, ECG and event storage (audio option) on a removable data card. Actual length of storage is dependent on card capacity

ENVIRONMENTAL

Temperature Operating: 0 to 50°C (32 to 122°F) / Standby: -25 to 50°C (-13 to 122°F)

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

Altitude -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 metre, any edge, corner, or surface, in standby mode)

Sealing / Water Resistance IEC60529 class IP54; Splash Proof, Dust Protected (Battery pack installed)

ESD EN61000-4-2: 1998, (Open air up to 8kV or direct contact up to 6kV)

EMC (Emission) EN60601-1-2 limits (1993), method EN55011: 1998 Group 1 Level B

EMC (Immunity) EN60601-1-2 limits (1993), method EN61000-4-3: 1998 Level 3 (10V/m)

PHYSICAL

Size 22 x 30 x 7cm

Weight (Approximate) With DBP-1400: 1.9 kg / With DBP-2800: 2.0 kg

FULL RANGE OF ACCESSORIES AVAILABLE

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