

LIFE LINE

Life-Saving Technology Within Reach



LIFELINE AED Semi-automatic Defibrillator

Defibtech has designed a revolutionary new semi-automatic external defibrillator from the ground up.

Technologically advanced enough to include all mission critical features necessary to provide the most advanced treatment for Sudden Cardiac Arrest. Yet so simple and unimposing to use that even non-medical personnel can effectively save lives.

The Lifeline AED was developed by experienced multidisciplinary engineering teams and incorporates state-of-the-art digital signal processing techniques and advanced ECG analysis algorithms.

This enables the device to exceed the American Heart Association performance recommendations, giving the user confidence the correct therapy is being delivered.

The Lifeline AED defibrillator uses advanced biphasic technology — including the most studied biphasic shock waveform — and automatically adjusts the shock delivery to the person's individual needs.

For first response professionals like police, fire and EMS, the Lifeline AED is standard equipment. For schools, offices, stores, malls, factories, and public places, it's becoming as vital as the fire extinguisher.

LIFELINE AED Semi-automatic Defibrillator

Technical Specifications *

Defibrillator

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| TYPE Semi-automatic external defibrillator | VOICE PROMPTS Extensive voice prompts guide user through operation of the unit |
| MODELS DDU-100A | CONTROLS – Lighted On/Off button – Lighted Shock button |
| WAVEFORM Biphasic Truncated Exponential (Impedance compensated) | INDICATORS – “check pads” – “do not touch patient” – “analyzing” – AED status LED |
| ENERGY 150-Joules (nominal into 50 ohm load) | |
| CHARGE TIME (new, at 25° C) Less than 6 seconds (DBP-2800 battery pack) Less than 9 seconds (DBP-1400 battery pack) | |

Patient Analysis System

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| 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-39 specifications and AHA recommendations |
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Battery Pack

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| MODEL DBP-2800 | MODEL DBP-1400 |
| POWER 15V, 2800 mAh | POWER 15V, 1400 mAh |
| CAPACITY (new, at 25° C) – 300 shocks or 16 hours continuous operation | CAPACITY (new, at 25° C) – 125 shocks or 8 hours continuous operation |
| STANDBY-LIFE (typical) – 7 years | STANDBY-LIFE (typical) – 5 years |
| TYPE – Lithium/Manganese Dioxide – Disposable, recyclable, non rechargeable | LOW BATTERY INDICATORS – Visible – Audible |

Self Tests

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| AUTOMATIC Automatic daily, weekly and monthly circuitry tests | USER-INITIATED Unit and battery pack system test may also be 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 | |

Defibrillation/Monitoring Pads

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| MODEL Adult – DDP-100 Child/Infant – DDP-200P | SURFACE AREA 103 cm ² (nominal, each pad) 50 cm ² (nominal, each pad) |
| TYPE Pre-connected, single-use, non-polarized, disposable, self-adhesive electrodes with cable and connector | PAD PLACEMENT Adult – Anterior/Anterior Child/Infant – Anterior/Posterior |
| | CABLE LENGTH (typical) 48 in (122 cm) |

Event Documentation

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| INTERNAL EVENT RECORD Critical ECG segments and rescue event parameters are recorded and can be downloaded to a removable data card | 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 |
| PC-BASED EVENT REVIEW ECG with event tag display, and audio playback when available | |

Environmental

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| TEMPERATURE Operating: 0 to 50°C (32 to 122 °F) Standby (with battery installed): 0 to 50°C (32 to 122 °F) | SHOCK / DROP ABUSE TOLERANCE MIL-STD-810F 516.5 Procedure IV (1 meter, any edge, corner, or surface, in standby mode) |
| RELATIVE HUMIDITY Operating / Standby: 5% – 95% (non-condensing) | SEALING / WATER RESISTANCE IEC60529 class IP54; Splash Proof, Dust Protected (Battery Pack installed) |
| ALTITUDE -500 to 15,000 ft (-150 to 4500 m) per MIL-STD-810F 500.4 Procedure II | ESD EN61000-4-2: 1998, (open air up to 8kV or direct contact up to 6kV) |
| VIBRATION Ground (MIL-STD-810F 514.5 Category 20) | EMC (Emission) EN60601-1-2 limits (1993), method EN55011: 1998 Group 1 Level B |
| Helicopter (RTCA/DO-160D, Section 8.8.2, Cat R, Zone 2, Curve G) | EMC (Immunity) EN60601-1-2 limits (1993), method EN61000-4-3: 1998 Level 3 (10V/m) |
| Jet Aircraft (RTCA/DO-160D, Section 8, Cat H, Zone 2, Curves B & R) | |

Physical

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| SIZE 8.5 x 11.8 x 2.7 inches (22 x 30 x 7 cm) | WEIGHT (Approximate) With DBP-1400: 4.2 lbs (1.9 kg) With DBP-2800: 4.4 lbs (2.0 kg) |
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*Specifications subject to change without notice