

Lifeline **AUTO**



Lifeline AUTO Fully Automatic Defibrillator

THE LATEST EVOLUTION IN THE AWARD -WINNING LIFELINE DEFIBRILLATOR SERIES

The Lifeline AUTO is a fully automatic defibrillator designed to analyze heart rhythm and automatically deliver a shock—without intervention—if needed.

The Lifeline AUTO includes all mission critical features necessary to provide the most advanced treatment for Sudden Cardiac Arrest. Yet it's so simple and unimposing to use that even non-medical personnel can effectively save lives.

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

exceeds the American Heart Association performance recommendations—giving the user confidence the correct therapy is being delivered.

The Lifeline AUTO 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 AUTO is standard equipment. For schools, offices, malls, factories, and public places, it's becoming as vital as a fire extinguisher.

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TECHNICAL SPECIFICATIONS *

Defibrillator

TYPE Fully Automatic external defibrillator	VOICE PROMPTS Extensive voice prompts guide user through operation of the unit and CPR
MODEL DDU-120A, DDU-120E	CPR PACING Metronome
WAVEFORM Biphasic Truncated Exponential (Impedance compensated)	CONTROLS Lighted On/Off button
ENERGY Adult: 150 Joules Pediatric: 50 Joules (Nominal into 50 Ohm load)	INDICATORS · "check pads" · "do not touch patient" · "analyzing" · armed-for-shock · AED status LED
CHARGE TIME ** DBP-2800: Less than 6 seconds DBP-1400: Less than 9 seconds	**Typical, with 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-39 specifications and AHA recommendations
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Battery Pack

MODEL DBP -2800	MODEL DB P-1400
POWER 15V, 2800 mAh	POWER 15V, 1400 mAh
CAPACITY 300 shocks or 16 hours continuous operation**	CAPACITY 125 shocks or 8 hours continuous operation**
STANDBY LIFE 7 years**	STANDBY LIFE 5 years**

TYPE Lithium/Manganese Dioxide Disposable, recyclable, non-rechargeable	LOW BATTERY INDICATORS Visible Audible **Typical, with new battery at 25° C
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Self Tests

AUTOMATIC Automatic daily, weekly, monthly and quarterly 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	

*Specifications subject to change without notice

Defibrillation/Monitoring Pads

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

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 2 hours 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

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 EN 61000-4-2:2009 (open air up to 15kV or direct contact up to 8kV)
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)	EMC (Emission) EN 60601-1-2:2001 +A1:2006, limits EN 55011:1998 +A1:1999 +A2:2002 Group 1 Level B, method EMC (Immunity) EN 60601-2-4:2003, limits EN 61000-4-3:2002 Level 3 (10V/m), method

Physical

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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