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 unintimidating 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.

Lifeline AUTO Fully Automatic Defibrillator

TECHNICAL SPECIFICATIONS

Defibrillator

TYPE

Fully Automatic external defibrillator

MODEL

DDU-120A, DDU-120E

WAVEFORM

Biphasic Truncated Exponential (Impedance compensated)

ENERGY

Adult: 150 Joules Pediatric: 50 Joules (Nominal into 50 Ohm load)

CHARGE TIME **

DBP-2800: Less than 6 seconds DBP-1400: Less than 9 seconds

VOICE PROMPTS

Extensive voice prompts guide user through operation of the unit and CPR

CPR PACING Metronome

CONTROLS

Lighted On/Off button

INDICATORS

- · "check pads"
- · "do not touch patient"
- · "analyzing"
- · armed-for-shock
- · AED status LED

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

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 LIF E 7 years**	STANDBY LI FE 5 years**

TYPE

Lithium/Manganese Dioxide Disposable, recyclable, non-rechargeable

LOW BATTERY INDICATORS

Visible Audible

**Typical, with new battery at 25° C

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 may also be initiated by the user

STATUS INDICATION

Visual and audible indication of unit status

Defibrillation/Monitoring Pads

MODEL

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

TYPF

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

(typical)

CABLE LENGTH

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

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 2 hours 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 (with battery installed): 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

Curve G)

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

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

Jet Aircraft (RTCA/DO-160D, Section 8, Cat H, Zone 2,

SHOCK / DROP ABUSE **TOLERANCE**

MIL-STD-810F 516.5 Procedure IV (1 meter, any edge, corner, or surface, in standby mode)

SEALING / WATER

RESISTANCE

IEC60529 class IP54; Splash Proof, Dust Protected

(Battery Pack installed)

EN 61000-4-2:2009 (open air up to 15kV or direct contact up to 8kV)

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

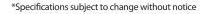
Curves B & R)

8.5 x 11.8 x 2.7 inches $(22 \times 30 \times 7 \text{ cm})$

WEIGHT (Approximate) With DBP-1400: 4.2 lbs (1.9 kg) With DBP-2800: 4.4 lbs (2.0 kg)

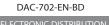












^{**}Typical, with new battery at 25° C