

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 rhythms 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 is 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-120 SERIES

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

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 DBP-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

SELF TESTS

AUTOMATIC

Automatic daily, weekly and monthly 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

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)

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

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 meter, any edge, corner, or surface, in standby mode)

SEALING/WATER RESISTANCE

IEC60529 class IP54; Splash Proof, Dust Protected (Battery Pack installed)

ESD

EN 61000-4-2:2001, (open air up to 8kV or direct contact up to 6kV)

EMC (Emission)

EN 60601-1-2:1998 +A1:2002, 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)

*Specifications subject to change without notice
†Approved for sale within the European Economic Area