

# 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**
<b>POWER</b> 15V, 2800 mAh	<b>POWER</b> 15V, 1400 mAh
<b>CAPACITY</b> 300 shocks or 16 hours continuous operation	<b>CAPACITY</b> 125 shocks or 8 hours continuous operation
<b>STANDBY LIFE</b> 7 years	<b>STANDBY LIFE</b> 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 cm<sup>2</sup> (nominal, each pad)  
50 cm<sup>2</sup> (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)



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.