

# Lifeline AED Semi-automatic Defibrillator

## TECHNICAL SPECIFICATIONS\*

### Defibrillator

#### TYPE

Semi-automatic external defibrillator

#### MODEL

DDU-100A, DDU-100E

#### 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

Lighted Shock button

#### INDICATORS

- "check pads"
- "do not touch patient"
- "analyzing"
- AED Status LED

\*\*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

### 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, 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

#### 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 61000-4-2:2009 (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

#### 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



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DAC-700-EN-BC rev A

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