

# Defibtech 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  
Child / Infant: 50 Joules  
(Nominal into 50 Ohm load)

#### CHARGE TIME\*

4 seconds or less  
(from shock advised)

#### VOICE PROMPTS

Extensive voice prompts guide user through operation of the unit

#### CPR PACING

Metronome

#### CONTROLS

Lighted On/Off button  
Lighted Shock button

#### INDICATORS

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

#### RESCUE PROTOCOL

AHA/ERC (default);  
supports protocol updates

\*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 or exceeds IEC-60601-2-4 requirements; meets AAMI DF80 requirements and AHA recommendations

### BATTERY PACK

MODEL DBP-2800	MODEL DBP-1400
<b>POWER</b> 15VDC, 2800 mAh	<b>POWER</b> 15VDC, 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 (installed in AED with 9V ASI battery)*	<b>STANDBY LIFE</b> 5 years (installed in AED with 9V ASI battery)*

#### 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 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\*\*

Adult: 16 inches<sup>2</sup> (103 cm<sup>2</sup>)  
Child / Infant: 7.75 inches<sup>2</sup> (50 cm<sup>2</sup>)

\*\*Nominal, each pad

### 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 1 hour and 40 minutes of audio (audio option). ECG and event storage 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)  
One Hour Operating Temperature Limit (extreme cold):  
-20°C (-4°F)\*\*  
Standby: 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

IEC 60529 class IP54;  
Dust Protected, Splash Proof (battery pack installed)

#### ESD

EN 61000-4-2  
(15kV or direct contact up to 8kV)

#### EMC (Emission)

EN 55011 Class B Group 1 and FCC Part 15

#### EMC (Immunity)

EN 61000-4-3 (20V/m)

\*\*\*From room temperature to temperature extreme, one hour duration

### 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)

