# LIFEFLINE

Life-Saving Technology Within Reach



### LIFELINE AED Semi-automatic Defibrillator

Defibtech has designed a revolutionary new semi-automatic external defibrillator, from the ground up.

Technologically advanced enough to include all mission critical features necessary to provide the most advanced treatment for Sudden Cardiac Arrest. Yet so simple and unintimidating to use that even non-medical personnel can effectively save lives.

The Lifeline AED was developed by experienced multidisciplinary engineering teams and incorporates state-of-the-art digital signal processing techniques and advanced ECG analysis algorithms.

This enables the device to exceed the American Heart Association performance recommendations, giving the user confidence the correct therapy is being delivered.

The Lifeline AED 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 AED is standard equipment. For schools, offices, stores, malls, factories, and public places, it's becoming as vital as the fire extinguisher.

### 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 quide 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
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

### **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

Bartec Fire Safety Systems Ltd.

### **USER-INITIATED**

Unit and battery pack system test may also be initiated by the user

### STATUS INDICATION

Visual and audible indication of unit status

8561 Government Street, Burnaby, B.C. V3N 4S9, Canada 604-420-2964 \* sales@bartecfire.com \* www.bartecfire.com

### **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, comer, 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

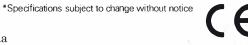
## **Physical**

#### 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)







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<sup>\*\*</sup>Typical, with new battery at 25° C