

LIFE LINE

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 unthreatening 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
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
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, 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 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 61000-4-2:2009 (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