

Lifeline AED

Semi-Automatic Defibrillator High Capacity Battery

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.

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 is the simplest AED to use and has been designed by physicians so that ANYONE can save a life. In a study by the University of Illinois involving 5 market leading AEDs, participants were able to deliver a defibrillation shock with the Lifeline AED quicker and more successfully than with any of the other AEDs tested.

The high capacity Lifeline Defibrillator Battery (approx. shelf life of 6.5-7 years) is capable of performing 300 defibrillator shocks or 16 hours of continuous operation.

- **The easiest to use AED**
Proven by an independent study
- **Simple and unthreatening design**
No lids or moving parts that may slow down or delay a rescue
- **Tough and robust design**
- **Self-maintaining unit**
Performs daily/weekly/monthly self-tests and constantly displays status via bright indicator light
- **8-year manufacturers warranty**
- **Long lasting batteries**
Capable of delivering up to 300 shocks if needed
- **Lightweight**
At only 1.9kg the unit can be easily transported to the patient

Life-Saving Technology Within Reach



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Making Life Better

Lifeline AED Semi-Automatic Defibrillator

Technical Specifications

Defibrillator

Type:
Semi-automatic external defibrillator

Model:
DDU - 100A

Waveform:
Biphasic Truncated Exponential
(Impedance compensated)

Energy:
150 Joules (Nominal into 50 ohm load)

Shock-to-Shock Cycle Time:
Less than 20 seconds (typical, includes analysis and charging time)

Voice Prompts
Extensive voice prompts guide user through operation of the unit

Controls
Lighted On/Off button
Lighted Shock button

Indicators
"check pads"
"do not touch patient"
"analyzing"
armed-for-shock
AED status LED

Charge Time*
DBP-2800: Less than 6 seconds
DBP-1400 Less than 9 Seconds

Size
8.5 x 11.8 x 2.7 inches
(22 x 30 x 7 cm)

Weight (Approximate)
With DBP-2800: 4.4 lbs (2.0 kg)



Defibrillation / Monitoring Pads

Model:
Adult - DDP-100
Child/Infant - DDP-200P

Surface Area:**
Adult: 16 inches² (103 cm²)
Child / Infant: 7.75 inches² (50 cm²)

Pad Placement:
Adult - Anterior/Anterior
Child/Infant - Anterior/Posterior

Cable Length (typical):
48 In (122 cm)

Type:
Pre-connected, single-use,
non-polarized, disposable,
self-adhesive electrodes with
cable and connector
**Nominal, each pad

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

Battery Pack

Model
DBP-2800

Power
15V, 2800 mAh

Capacity (new, at 25°C)
- 300 Shocks or 16 hours continuous
operation

Standby-Life (Typical)
6.5 - 7 Years

Type
Lithium/Manganese Dioxide
Disposable, recyclable,
non-rechargeable

Low Battery Indicators
Visible, Audible



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 1:40 of audio, ECG and event storage (audio option) on a removable data card. Actual length of storage is dependant on card capacity

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Technical Specifications

Environmental

Relative/Humidity

Operating/Standby: 5%- 95%
(non-considering)

Altitude

-500 to 15,000 ft (-150 to 4500m)
per MIL-STD-810F 500.4 Procedure II

Temperature

Operating: 0 to 50°C (32 to 122°F)
Standby: -25 to 50° (-13 to 122°F)

Shock/Drop Abuse Tolerance

MIL-STD-810F 516.5 Procedure IV
(1 meter, any edge, corner or surface, in standby mode)

ESD

EN 61000-4-2:1998, (open air up to 8kV or direct contact up to 6kV)

Vibration

Ground (MIL-STD-810F 514.4 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)

Sealing/Water Resistance

IEC60529 class IP54; Splash proof, Dust Protected
(Battery Pack installed)

EMC (Immunity)

EN 60601-1-2 (1993), method
EN 61000-4-3: 1998
Level 3 (10V/m)

EMC (Emission)

EN 60601-1 -2 (1993) method
EN 55011: 1998
Group 1 Level B

Patient Analysis System

Patient Analysis

Automatically evaluates patient impedance for proper pad contact.

Monitors signal quality and analyzes patient ECG for shockable/
nonshockable rhythms

Sensitivity/Specificity

Meets AAMI-DF-39 specifications and AHA recommendations



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