

Lifeline Auto

Fully Automatic Defibrillator Standard Capacity Battery

The Lifeline AUTO is a fully automatic defibrillator designed to analyze heart rhythms and automatically deliver a shock—without intervention—if needed.

The Lifeline AUTO includes all mission critical features necessary to provide the most advanced treatment for Sudden Cardiac Arrest. Yet it is so simple and unintimidating to use that even non-medical personnel can effectively save lives.

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

The Lifeline AUTO defibrillator uses advanced biphasic technology - including the most studied biphasic shock waveform - and automatically adjusts the shock delivery to the person's individual needs.

The Lifeline Auto defibrillator is a one-button defibrillator which analyses the heart rhythm and will automatically deliver shocks without intervention. It features clear voice instructions to help with the entire process from how to position the pads to when to perform CPR between shocks. This AED has been designed by physicians so that ANYONE can save a life.

For first response professions like police, fire and EMS, the Lifeline AUTO is standard equipment. For schools, offices, malls, factories and public places, it's becoming as vital as a fire extinguisher.

The standard Lifeline Defibrillator Battery (approx. shelf life of 4.5-5 years) is capable of performing 125 defibrillator shocks or 8 hours of continuous operation.

- **The easiest to use AED**
Proven by an independent study
- **Simple and unintimidating 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



martek™
LIFECARE
Making Life Better

Lifeline AUTO Defibrillator

Technical Specifications

Defibrillator

Type:
Fully automatic external defibrillator

Model:
DDU - 120 Series

Waveform:
Biphasic Truncated Exponential
(Impedance compensated)

Energy:
Adult: 150 Joules
Pediatric: 50 Joules
(Nominal into 50 Ohm load)

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

Controls
Lighted On/Off 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-1400: 4.2 lbs (1.9kg)



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-1400

Power
15V, 1400 mAh

Capacity (new, at 25°C)
- 125 Shocks or 8 hours continuous
operation

Standby-Life (Typical)
4.5 - 5 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 2 hours of audio, ECG and event storage (audio option) on a removable data card. Actual length of storage is dependant on card capacity.

Lifeline AUTO Defibrillator

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)

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)

Sealing/Water Resistance

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

EMC (Immunity)

EN 60601-2-4:2004, limits
EN 61000-4-3:2002
Level 3 (10V/m), method

EMC (Emission)

EN 60601-1 -3:1998 +A1: 2002,
limits EN 55011: 1998 +A1: 1999 +A2:2002
Group 1 Level B, method

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



Martek Lifecare

Adwick Park, Manvers,
Rotherham, South Yorkshire,
S63 5AB, UK

www.martek-lifecare.com

T: 01709 599 222

E: info@martek-lifecare.com