

Lifeline AED

Semi-Automatic Defibrillator Standard 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 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.

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 standard capacity 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



Lifeline AED Semi-Automatic Defibrillator

Technical Specifications

Defibrillator	Defibrillation / Monitoring Pads	Self Tests
Type: Semi-automatic external defibrillator	Model: Adult - DDP-100 Child/Infant - DDP-200P	Automatic Automatic daily, weekly and monthly circuitry tests
Model: DDU - 100A	Surface Area**: Adult: 16 inches ² (103 cm ²) Child / Infant: 7.75 inches ² (50 cm ²)	Battery Insertion System integrity test on battery insertion
Waveform: Biphasic Truncated Exponential (Impedance compensated)	Pad Placement: Adult - Anterior/Anterior Child/Infant - Anterior/Posterior	Pad Presence Pads preconnected tested daily
Energy: 150 Joules (Nominal into 50 ohm load)	Cable Length (typical): 48 In (122 cm)	User-Initiated Unit and battery pack system test may also be initiated by the user
Shock-to-Shock Cycle Time: Less than 20 seconds (typical, includes analysis and charging time)	Type: Pre-connected, single-use, non-polarized, disposable, self-adhesive electrodes with cable and connector <small>**Nominal, each pad</small>	Status Indication Visual and audible indication of unit status
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	Model DBP-1400	Type Lithium/Manganese Dioxide Disposable, recyclable, non-rechargeable
Size 8.5 x 11.8 x 2.7 inches (22 x 30 x 7 cm)	Power 15V, 1400 mAh	Low Battery Indicators Visible, Audible
Weight (Approximate) With DBP-1400: 4.2 lbs (1.9kg)	Capacity (new,at 25°C) - 125 Shocks or 8 hours continuous operation	
	Standby-Life (Typical) 4.5 - 5 Years	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

Lifeline AED Semi-Automatic Defibrillator

Technical Specifications

Environmental

Relative/Humidity

Operating/Standy: 5% - 95% (non-condensing)

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



Martek Lifecare

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

www.martek-lifecare.com

T: 01709 599 222

E: info@martek-lifecare.com