

# Be a Hero, Save a Life...

with the Defibtech™ AED

It can strike anyone, anywhere, at any time, and in most cases without warning. Now there is something you can do to improve the survivability of sudden cardiac arrest with a solution that is both easy to use and extremely affordable. 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 Defibtech™ AED was developed by experienced multi-disciplinary 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 that the correct therapy is being delivered.

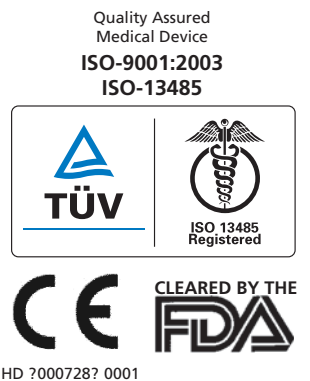
The Defibtech™ AED defibrillator uses advanced biphasic technology, including the most studied biphasic shock waveform and automatically adjust the shock delivery to the person's individual needs.

For first response professionals like occupational first aiders, fire and ambulance, the Defibtech™ AED is standard equipment. For schools, offices, stores, shopping centres, factories, and public places, it's becoming as vital as the fire extinguisher.

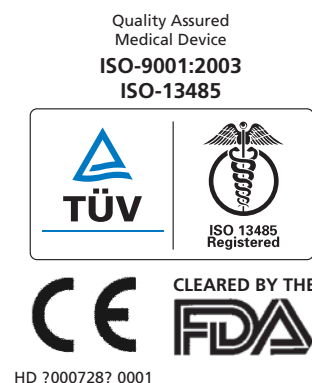


## Defibtech™ AED Automated External Defibrillator

- Pre-connected pads
- 5 year standby / 125 shock standard battery
- 7 year / 300 shock battery available
- 5 year warranty
- Biphasic defibrillator
- Daily auto self-test
- Rubberised surfaces
- Shock/drop tested
- Rated for dust protection (IP5X)
- Rated for water protection (IPX4)
- On unit pad storage
- Paediatric pads available
- Free event review software
- Compatible with all frontline emergency ambulance defibrillators
- Fully field upgradeable to changes in protocols



- 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.
- For first response professionals like police, fire and ambulance the Defibtech™ AED (Automated External Defibrillator) is standard equipment. For schools, offices, shopping centres, factories, and public places, it's becoming as vital as the fire extinguisher.



# Defibtech's breakthrough design makes it possible for every budget to afford a life-saving AED

# Now anyone can save a life



## Brilliant Design

With its bright yellow and black colouring and attractive, sleek curves, the non-intimidating Defibtech™ AED invites prominent display anywhere,

## Latest Technology

The biphasic defibrillation we use is extremely effective at resuscitating patients in ventricular fibrillation - the most common form of Sudden Cardiac Arrest - on the first shock.

## Easy to Use

The Defibtech™ AED is designed for speed and simplicity. Built to the demanding standards of professional emergency personnel. Simple enough for non-medical users.

## Lightweight, Durable

At just 4.2 pounds a child could carry it. Plus, the Defibtech™ AED is tested to US Military "drop and shock" specifications.

## Field Upgradeable

The Defibtech™ AED is fully field upgradeable to any future changes in resuscitation guidelines.

## Handle This

Roomy, sure-grip rubberised handle makes it simple to pull off the wall and carry quickly to the patient.



## Text, Lights and Voice Guides

A calm voice guides the responder step by step while a text display with lights shows the progress.



## Pads at the Ready

The electrode pads are tucked into a back pocket ready to apply,



## Big Buttons

The "Power On" and "Shock" buttons are oversized and brightly lit so even the most nervous fingers will hit their mark.



## Defibtech™ AED Automated External Defibrillator

### Specifications

- Easy to use, only 2 buttons
- Clear voice prompts
- Flashing light indicators to aid rescuer during use
- 5 year standby / 125 shock standard battery
- Active status indicator (green flashing light) ready for use
- Daily, weekly and monthly automatic self tests
- Visual and audible warning alarm if self tests fail
- On unit pad storage, attached and ready for use
- Free event review software, (no hidden costs)
- Fully field upgradeable to changes in protocols

**Free Service Checks** - the unit runs its own daily automatic self tests and an active bright green flashing light confirms the unit is ready for use. If the unit detects a problem or low battery the active light flashes red and the unit sounds a warning tone to alert you.

**Warranty** - the Defibtech™ AED is manufactured at an ISO-9001:2003 certified facility and the unit holds the industry leading ISO-13485 for quality assured medical device. The AED has a full five year warranty from date of purchase, in the unlikely event that the unit requires maintenance we will collect the unit and install a new replacement within one working day.

**Medical Overview** - after you use the AED unit, if you require we will provide you with a free medical audit as recorded by the unit.

### Audio Data Card (Optional Extra)

The Defibtech™ AED stores > 15 minutes of ECG data internally. In the event that the scenario goes on longer than 15 minutes, it breaks down the information into 8 seconds before and 8 seconds after any / change in rhythm or any shocks delivered so that no information is lost. This information can be downloaded later by inserting a data card. If you require this service we will provide it free of charge. Alternatively, you can leave a data card in the machine for when its used to extend the ECG recording time to 50 minutes and it will also record all audio around the machine. This is also available for review after the event.



## CARRY CASE WITH CONTENTS

Soft Carrying Case with padding to further protect the AED, complete with Basic Life Support Equipment.

- Face Mask with strap and Oxygen inlet
- 1 pair of surgical gloves
- Razor
- Paramedic Scissors
- Towel



## Training

We also provide a free CD with the unit and for all course participants so you can familiarise yourself with the unit whenever you want.



## Training Unit

Another option for groups or companies is to purchase our trainer model. It simulates the use of the defibrillator to prepare people for a real situation.

- Clear voice prompts identical to the real AED
- A remote control with 6 pre-programmed scenarios
- Pause button to allow for explanations
- Re-usable training pads
- Re-chargeable battery (charger included)
- 2 x AAA batteries for remote control (also included)





CE  
HD 60007286 0001

ISO-13485  
QUALITY ASSURED  
MEDICAL DEVICE

CLEARED BY THE  
FDA

## LIFELINE AED Semi-automatic Defibrillator

**Pre-connected pads**

-

**5 year/125 shock standard battery**

-

**7 year/300 shock battery available**

-

**5 year warranty**

-

**Biphasic defibrillator**

-

**Daily auto self-test**

-

**Rubberised surfaces**

-

**Shock/drop tested**

-

**Rated for dust protection (IP5X)**

-

**Rated for water protection (IPX4)**

-

**On unit pad storage**

-

**Paediatric pads available**

-

**Free event review software**

-

**Compatible with all frontline  
emergency ambulance defibrillators**

It can strike anyone, anywhere, at any time, and in most cases without warning. Now there is something you can do to improve the survivability of sudden cardiac arrest with a solution that is both easy to use and extremely affordable. 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 that the correct therapy is being delivered.

The Lifeline AED defibrillator uses advanced biphasic technology, including the most studied biphasic shock waveform and automatically adjust the shock delivery to the person's individual needs.

For first response professionals like occupational first aiders, fire and ambulance, the Lifeline AED is standard equipment. For schools, offices, stores, shopping centres, 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

### WAVEFORM

Biphasic Truncated  
Exponential (Impedance compensated)

### ENERGY

150-Joules (nominal into 50 ohm load)

### CHARGE TIME

Less than 6 seconds (DBP-2800 battery)  
Less than 9 seconds (DBP-1400 battery)

### 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”  
-“AED status LED

## Patient Analysis System

### PATIENT

Automatically evaluates patient impedance for proper pad contact. Monitors signal quality and analyzes patient ECG for shockable/non-shockable rhythms

### SENSITIVITY

Meets AAMI-DF-39 specifications and American Heart Association recommendations

## Battery Pack

### MODEL DBP-2800

### POWER

15V, 2800 mAh

### CAPACITY (new)

-300 shocks or 16 hours continuous operation

### STANDBY-LIFE

-7 years

### MODEL DBP-1400

### POWER

15V, 1400 mAh

### CAPACITY (new)

-125 shocks or 8 hours continuous operation

### STANDBY-LIFE

-5 years

## Self Tests

### AUTOMATIC

Automatic daily, weekly and monthly circuitry test

### USER-INITIATED

Unit and battery pack system test initiated by the user

### BATTERY

System integrity test on battery insertion

### STATUS INDICATION

Visual and Audible indication unit status

Details and specifications in this brochure are subject to change without notice.



**ISO-13485**  
QUALITY ASSURED  
MEDICAL DEVICE



## Defibrillation / Monitoring Pads

### MODEL

DDP-100

### TYPE

Single-use, disposable, self-adhesive electrodes with cable connector

### SURFACE AREA

103 cm<sup>2</sup> (normal, each pad)

### PAD PLACEMENT

Anterior- Anterior

### CABLE LENGHT

48 in (122cm)

## 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. Software provided free.

### 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 dependent on card capacity

## Environmental

### TEMPERATURE

Operating / Standby: 0-50 C (32-122 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 with battery pack installed

### ESD

EN61000-4.2: 1998, (open air up to 8kV or direct contact up to 6kV)

### EMC (Emission)

EN60601-1-2 limits (1993), method EN55011 : 1998 Group 1 Level B

### EMC (Immunity)

EN60601-1-2 limits (1993), method EN61000-4-3: 1998 Level 3 (10V/m)

## Physical

### SIZE

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

### WEIGHT

DBP-1400: 4.2lbs (1.9 kg)  
DBP-2800: 4.4lbs (2.0 kg)

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