

The Defibtech Lifeline AED



SUDDEN CARDIAC ARREST is the abrupt loss of heart function in a person who may or may not have diagnosed heart disease. Each year, sudden cardiac arrest strikes more than 400,000 people - and without intervention, less than 1% of victims survive. In fact, it is the leading cause of death in North America, affecting people of all ages anytime and anywhere.

If CPR and defibrillation from an automated external defibrillator (AED) occur within 3 minutes of sudden cardiac arrest, chances of survival can increase to 70%. AED technology is so powerful that most CPR training courses now include a section on using AEDs. An yet, in a crisis, there is no time to read a manual. Fortunately, the Defibtech Lifeline AED is simple, clear and easy to use. The Defibtech Lifeline AED is built to exacting medical standards - but it is also designed to be fast and simple for anyone to use.

Lifeline AED Packages

VWR Cat. No.	Defibtech No.	Package Contents
89401-730	DCF-A100-EN	Defibtech Lifeline AED Standard Package: Lifeline AED, 5-Year Battery w/ 9V Lithium Battery, Adult Pads, User Manual, Quick Use Card and Prescription Coupon
89401-732	DCF-A110-EN	Defibtech Lifeline AED w/ Hi-Capacity Battery Package: Lifeline AED, 7-Year Battery w/ 9V Lithium Battery, Adult Pads, User Manual, Quick Use Card and Prescription Coupon
89401-734	CCPRX-0001	Defibtech Lifeline AED Starter Kit: Lifeline AED, 5-Year Battery w/ 9V Lithium Battery, Adult Pads, User Manual, Quick Use Card and Prescription Coupon, w/ Alarmed Wall Cabinet, CPR Rescue Pack and 3-way AED Wall Sign

Lifeline AED Accessories

VWR Cat. No.	Defibtech No.	Description
LIFELINE AED BATTERIES		
89401-714	DCF-200	Lifeline Standard 5-Year Battery Pack
89401-716	DCF-210	Lifeline High Capacity 7-Year Battery Pack
89401-720	DAC-410	9 Volt Lithium Battery Pack for Lifeline AEDs
LIFELINE AED PADS & ADAPTERS		
89401-722	DDP-100	Lifeline AED Adult Pad Package
89401-724	DDP-200P	Lifeline AED Pediatric Pad Package
89401-776	DAC-300E	Lifeline AED Medtronic Physio Control Pad Adapter
89401-778	DAC-310E	Lifeline AED Zoll Pad Adapter
LIFELINE AED DOCUMENTATION		
89401-812	DAC-501	Lifeline AED Quick Start Card
89401-814	DAC-510E-EN	Lifeline AED User Manual
89401-816	DAC-520-V1	Lifeline AED Unit Overview Video

Lifeline AED Training Accessories

VWR Cat. No.	Defibtech No.	Description
LIFELINE AED TRAINING PACKAGES		
89401-808	DCF-A350T-EN	Lifeline AED Trainer AED Package
89401-804	DCF-A302T-EN	Lifeline AED Training Conversion Kit
89401-806	DCF-A303T-EN	Lifeline AED Training Conversion Kit with Remote
LIFELINE AED TRAINING ACCESSORIES		
89401-796	DCF-DBP-RC2	Lifeline AED Rechargeable Training Battery Pack
89401-798	DTR-201	Lifeline Training Battery Charger
89401-800	DTR-400	Lifeline AED Training Remote Control
89401-802	DTR-301	Lifeline AED Training Software
LIFELINE AED TRAINING PADS		
89401-730	DDP-101TR	Lifeline AED Training Pad Pack
89401-732	DDP-105TR	Lifeline AED Training 5-Pad Pack
89401-734	DDP-201TR	Lifeline AED Pediatric Training Pad Pack
89401-736	DDP-205TR	Lifeline AED Pediatric Training 5-Pad Pack

VWR Cat. No.	Defibtech No.	Description
DATA CARDS & READER		
89401-738	DDC-6	Lifeline AED Medium Capacity Data Card
89401-740	DDC-50AE	Lifeline AED Medium Capacity Data Card with Audio
89401-742	DDC-12	Lifeline AED Large Capacity Data Card
89401-744	DDC-100AE	Lifeline AED Large Capacity Data Card with Audio
89401-748	DDC-CR2	Defibtech AED Data Card DOC Card Reader
LIFELINE AED CARRY CASES		
89401-750	DAC-100	Lifeline AED Black Soft AED Carry Case
89401-752	DAC-101	Lifeline AED Red Soft Trainer AED Carry Case
89401-754	DAC-110	Lifeline AED Black Hard AED Carry Case
89401-756	DAC-111	Lifeline AED Yellow Hard Deluxe AED Carry Case

General AED Accessories

VWR Cat. No.	Defibtech No.	Description
AED WALL CABINETS		
89401-760	DAC-200	Wall-Mount AED Bracket
89401-762	DAC-210	Wall-Mount AED Cabinet
89401-764	DAC-220	Wall-Mount AED Cabinet with Alarm
AED SIGNAGE		
89401-766	DAC-230	AED 3-Way Wall Sign
89401-768	DAC-231	AED 2-Way Wall Sign
89401-770	DAC-232	AED Left Arrow Sign
89401-772	DAC-233	AED Right Arrow Sign
89401-774	DAC-234	AED Wall Sign, 8½ x 11
89401-786	DAC-801	AED Inspection Tag
89401-788	DAC-802	AED Vehicle Sticker
89401-790	DAC-803	AED Facility Sticker
89401-792	DAC-804	CPR-AED Trained Decal, 2¼"
89401-794	DAC-805	CPR-AED Trained Decal, 4"
RESCUE ACCESSORIES		
89401-784	DAC-420	CPR Rescue Pack with CPR Mask, Eye Shield, and Towel

LIFE  LINE

Defibtech's breakthrough design makes it possible for anyone to save a life during a sudden cardiac arrest emergency



Brilliant Design

With its bright yellow and black coloring and attractive, sleek curves, the non-intimidating Lifeline 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 Lifeline 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 Lifeline AED is tested to US Military "drop and shock" specifications.

Handle This

Roomy, sure-grip rubberized 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.

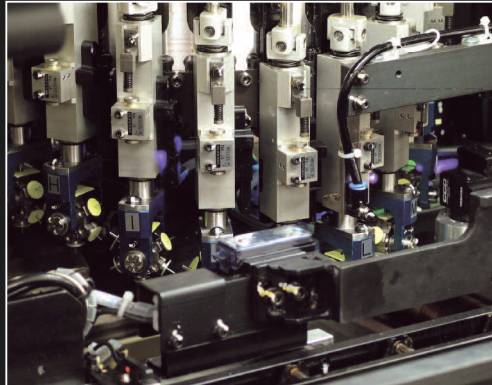
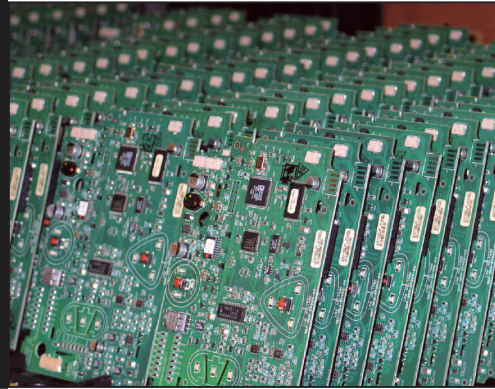


LIFE  LINE

Defibtech's relentless pursuit of quality comes standard with every Lifeline AED

State-of-the-Art Product Design

Using state-of-the-art engineering techniques and computer automated design (CAD) tools, Defibtech engineers put best-in-class features on a unit that can be mass produced without compromising quality or reliability.

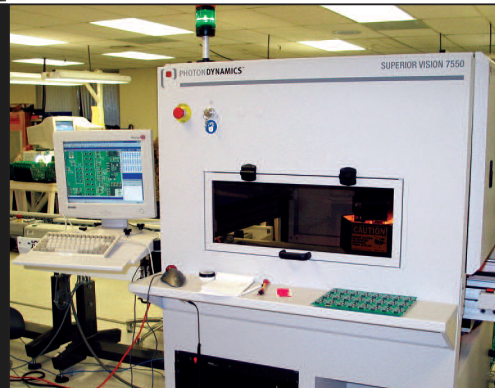


Fully Automated Circuit Board Construction

The Defibtech Lifeline is manufactured using the most modern automated production and testing equipment available. This ensures that the devices are produced exactly the same way every time, reducing production time and unit cost, while simultaneously increasing quality and reliability.

Comprehensive Quality Testing

Before the Lifeline even reaches final inspection, it has already been optically inspected by a computer vision system and tested by an automated ICT system that checks thousands of electrical parameters. Each and every Lifeline AED is individually tested and inspected by a trained Defibtech technician before shipment.



Ready for Delivery - Ready for Rescue

Defibtech delivers the most cost-effective AED on the market at the highest levels of quality and reliability. Our customers receive a world-class product without having to wait for their life-saving AED to arrive due to production backlogs or manufacturing delays.

Lifeline AED Semi-automatic Defibrillator

TECHNICAL SPECIFICATIONS*

Defibrillator

TYPE

Semi-automatic external defibrillator

MODEL

Lifeline

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 89401-716 (DCF-210)	MODEL 89401-714 (DCF-200)
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 – **89401-722** (DDP-100)
Child/Infant – **89401-724** (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)