



John J. Barthelmes
Commissioner

State of New Hampshire

Department of Safety

Division of Fire Standards and Training and Emergency Medical Services
Richard M. Flynn Fire Academy
98 Smokey Bear Blvd, Concord, New Hampshire
Mailing Address: 33 Hazen Drive, Concord, New Hampshire 03305-0002



Deborah A. Pendergast
Director

N.H. AUTOMATED EXTERNAL DEFIBRILLATOR (AED) STATUTES RSA 153-A:28 – RSA 153-A:33

November 22, 2013

SYNOPSIS

The N.H. Legislature endorses the use of AED's by the public as an important lifesaving measure for citizens and guests throughout the state.

Any non-EMS organization interested in procuring an AED must meet the following requirements:

1. the AED needs to be a US Food & Drug Administration (USFDA)-approved device
2. those individuals in an organization most likely to utilize an AED need to be trained in CPR and AED use (NH Bureau of EMS recommends a minimum training of 1-person Adult CPR/AED)
3. the organization's AED needs to be registered with the N.H. Bureau of EMS. The Bureau's 1-page N.H. "AED Registry" form is available. If the AED is mounted at a fixed site, the information will be added to the N.H. Enhanced 9-1-1 database.

AED'S CAN BE UTILIZED BY ANY INDIVIDUAL TO SAVE THE LIFE OF A CARDIAC ARREST VICTIM

For additional assistance with AED-related questions, please contact:

Bill Wood, Preparedness Coordinator
N.H. Bureau of Emergency Medical Services (EMS)
(603)-223-4228
William.Wood@dos.nh.gov

Emergency Medical Services – Fire Training and Certification – Fire Academy

Business: (603) 223-4200

Fax: (603) 271-4567

Toll Free: 1-800-371-4503

TDD Access: 1-800-735-2964

<http://www.nh.gov/safety/divisions/fstems/index.html>

LIFELINE

Life-Saving Technology Within Reach



LIFELINE AED Semi-automatic Defibrillator

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 the correct therapy is being delivered.

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.



defibtech

Defibtech, LLC • Guilford, CT 06437 1-203-453-4507
1-866-DEFIB-4U (866-333-4248) • www.defibtech.com

Lifeline AED Semi-automatic Defibrillator

TECHNICAL SPECIFICATIONS*

Defibrillator

TYPE

Semi-automatic external defibrillator

MODEL

DDU-100A, DDU-100E

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 DBP-2800	MODEL DBP-1400
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 – DDP-100
Child/Infant – 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 B, 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)

*Specifications subject to change without notice



Defibtech, LLC • Guilford, CT 06437 1-203-453-4507
1-866-DEFIB-4U (866-333-4248) • www.defibtech.com



DAC-700-EN-BC rev A
ELECTRONIC DISTRIBUTION

DEFIBTECH AUTOMATED EXTERNAL DEFIBRILLATOR (AED) REFERENCE GUIDE

January 15, 2016

- A green flashing light on the AED handle indicates the AED is ready for operation
- * A red (or no) flashing light on the AED handle indicates either the Active Status Indicator (9-volt battery in the battery pack) needs to be replaced or the device is defective.
- The AED Battery Pack is located on the side of the device
- The AED is configured to perform internal self-tests
- Keep the **ADULT** pads connected to the AED handle & stored in the back pads holder
- AED pads have 2-year expiration date on package (gel on pads dries over time)
- Weekly visual check of the AED and accessories. Log on record sheet
- Use a damp cloth to clean the AED
- Please review the Defibtech DDU-100 Semi-automatic AED User's Manual
- To order replacement equipment or Defibtech accessories, contact Lifesavers, Inc. Customer Service at 1-866-641-1200 (State of NH Contract pricing):
Adult Defibrillation Pads (1 set) Part #: DDP-100
CPR Rescue Pack Part #: DAC-420
7-Year AED Battery Part #: DCF-210

For additional questions regarding AED's please contact:

Bill Wood, Preparedness Coordinator
NH Bureau of EMS
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"DIRECT PURCHASE OPPORTUNITY" **AUTOMATED EXTERNAL DEFIBRILLATORS (AED's)** January 12, 2016

The Bureau of Emergency Medical Services, in cooperation with the Bureau of Purchase and Properties, Department of Administrative Services, has established two AED contracts to provide reduced pricing to state, municipal and non-profit organizations in New Hampshire.
Pricing is in effect through July 31, 2018.

Both vendors are extending their reduced pricing to all individuals and organizations in New Hampshire

The DEFIBTECH Model DDU-100 "Lifeline" AED is available at the "portable/mobile" package price of \$ 740.00. The "fixed location" package price is \$ 845.00. The vendor is Lifesavers, Inc. of Fairfield, New Jersey.

The PHILIPS Model HS-1 "HeartStart OnSite" AED is available at the "portable/mobile" package price of \$ 635.00. The "fixed location" package price is \$ 760.00. The vendor is One Beat CPR Learning Center, Inc. of Davie, Florida.

The "portable/mobile" package includes: AED, battery, 1 set of adult defibrillation pads, carrying case, CPR Equipment Kit, AED instructions, minimum of 5-year warranty and shipping.

The "fixed location" package includes: AED, battery, 1 set of adult defibrillation pads, carrying case, CPR Equipment Kit, wall cabinet, wall sign, 2 door decals, AED instructions, minimum of 5-year warranty and shipping.

Note: Individuals and commercial organizations purchases do not include shipping.

Current NH AED laws provide individual and organization liability protection for ownership and use of AED's.

All AED's need to be registered with the Bureau of EMS and for those devices at a "fixed location" the site information is placed into the NH 9-1-1 telephone database.

For additional information on the "direct purchase" opportunity or to register existing AED devices, please contact:

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NH 2015 AED CONTRACT PRICING COMPARISONS

January 12, 2016

"PORTABLE OR MOBILE" AED PACKAGES

Lifesavers, Inc. pricing:

1 (one) **DEFIBTECH "Lifeline" AED** with accessories:

AED, 5-year battery, 1 set of adult defibrillation pads, carrying case with strap, CPR equipment kit,
AED education aid, 5-year warranty and shipping -----\$ 740.00

One Beat CPR Learning Center, Inc. pricing:

1 (one) **PHILIPS "HeartStart OnSite" AED** with accessories:

AED, 4-year battery, 1 adult defibrillation pads cartridge, carrying case, CPR equipment kit,
AED education aid, 8-year warranty and shipping ----- \$ 635.00

"FIXED LOCATION" AED PACKAGES

Lifesavers, Inc. pricing:

1 (one) **DEFIBTECH "Lifeline" AED** with accessories:

AED, 5-year battery, 1 set of adult defibrillation pads, carrying case with strap, CPR equipment kit,
wall cabinet, wall sign, 2 door decals, AED education aid, 5-year warranty and shipping -----\$ 845.00

One Beat CPR Learning Center, Inc. pricing:

1 (one) **PHILIPS "HeartStart OnSite" AED** with accessories:

AED, 4-year battery, 1 adult defibrillation pads cartridge, carrying case, CPR equipment kit,
wall cabinet, wall sign, 2 door decals, AED education aid, 8-year warranty and shipping -----\$ 760.00

NOTE: Individuals and business orders for **PHILIPS** equipment, shipping charges will be applicable.

NOTE: No additional discounts for multiple AED purchases

Both vendors offer discounted pricing on AED accessories

Batteries, Adult & Pediatric Defibrillation Pads/Cartridges, CPR Equipment Kits, Carrying Cases,
Wall Cabinets, Wall Signs, Facility & Vehicle Decals