LIFELINE

Life-Saving T echnology W ithin Reach

LIFELINE AED Semi-automatic Defibrillator

Defibtech has designed a revolutionar y new semi-automatic external defibrillator, from the ground up.

Technologically advanced enough to include all mission critical features nec - essar y to provide the most advanced treatment for Sudden Cardiac Ar rest. 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-ar t digital signal processing techniques and advanced ECG analysis algorithms.

This enables the device to exceed the American Heart Association per for- mance recommendations, giving the user confidence the cor rect therapy is being delivered.

The Lifeline AED defibrillator uses advanced biphasic technology — including the most studied biphasic shock waveform — and automatically adjusts the shock deliver y to the person's individual needs.

For first response pr ofessionals like police, fire and EMS, the Lifeline AED is standar d equipment. For schools, offices, stor es, malls, factories, and public places, it's becoming as vital as the fire extinguisher.

defibtech

LIFELINE AED Semi-automatic Defibrillator

Technical Specifications *

Defibrillator

TYPE
Semi-automatic external defibrillator

MODELS
DDU-100A

WAVEFORM
Biphasic Truncated Exponential (Impedance compensated)

ENERGY
150-Joules (nominal into 50 ohm load)

CHARGE TIME (new, at 25° C)
Less than 6 seconds (DBP-2800 battery pack)
Less than 9 seconds (DBP-1400 battery pack)

VOICE PROMPTS
Extensive voice prompts guide user through operation of the unit

CONTROLS
– Lighted On/Offbutton
– Lighted Shock button

INDICATORS
– "check pads"
– "do not touch patient"
– "analyzing"
– AED status LED

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

POWER
15V, 2800 mAh

CAPACITY (new, at 25° C)
– 300 shocks or 16 hours continuous operation

STANDBY-LIFE (typical)
– 7 years

TYPE
– Lithium/Manganese Dioxide
– Disposable, recyclable, non rechargeable

MODEL DBP-1400

POWER
15V, 1400 mAh

CAPACITY (new, at 25° C)
– 125 shocks or 8 hours continuous operation

STANDBY-LIFE (typical)
– 5 years

LOW BATTERY INDICATORS
– Visible
– Audible

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

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 cm^2 (nominal, each pad)
50 cm^2 (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 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:
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
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 (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

CE 0197

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