

Life-Saving Technology Within Reach

LIFE LINE

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 AED

Semi-Automatic Defibrillator

THE EVOLUTION OF THE AWARD-WINNING LIFELINE DEFIBRILLATOR SERIES

What is the Lifeline AED?

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Why the Lifeline AED?

This enables the device to exceed the American Heart Association performance recommendations, giving the user confidence the correct therapy is being delivered.

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Lifeline AED Semi-Automatic Defibrillator

Technical Specifications*

DEFIBRILLATOR

Type Semi-automatic external defibrillator	Voice Prompts Extensive voice prompts guide user through operation of the unit
Model DDU - 100A, DDU-100E	Controls Lighted On/Off button Lighted Shock button
Waveform Biphasic Truncated Exponential (Impedance compensated)	Indicators "check pads" "do not touch patient" "analyzing" armed-for-shock AED status LED
Energy 150 -Joules (Nominal into 50 ohm load)	Charge Time* DBP-2800: Less than 6 seconds DBP-1400 Less than 9 Seconds
Shock-to-Shock Cycle Time Less than 20 seconds (typical, includes analysis and charging time)	

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

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.

DEFIBRILLATION/MONITORING PADS

Model Adult - DDP-100 Child/Infant - DDP-200P	Surface Area 103 cm ² (nominal, each pad) 50 cm ² (nominal, each pad)
Type Pre-connected, single-use, non-polarized, disposable, self-adhesive electrodes with cable and connector	Pad Placement Adult - Anterior/Anterior Child/Infant - Anterior/Posterior
	Cable Length (typical) 48 In (122 cm)

BATTERY PACK

Model DBP-2800	Model DBP-1400
Power 15V, 2800 mAh	Power 15V, 1400 mAh
Capacity (new, at 25°C) - 300 Shocks or 16 hours continuous operation	Capacity (new, at 25°C) - 125 Shocks or 8 hours continuous operation
Standby-Life (Typical) -7 Years	Standby-Life (Typical) -5 Years
Type Lithium/Manganese Dioxide Disposable, recycable, non-rechargeable	Low Battery Indicators Visible, Audible

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

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 (1.9kg) With DBP-2800: 4.4 lbs (2.0 kg)
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ENVIRONMENTAL

Relative/Humidity Operating/Standby: 5%- 95% (non-considering)	Altitude -500 to 15,000 ft (-150 to 4500m) per MIL-STD-810F 500.4 Procedure II	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)
Temperature Operating: 0 to 50°C (32 to 122°F) Standby: -25 to 50° (-13 to 122°F)	ESD EN 61000-4-2:1998, (open air up to 8kV or direct contact up to 6kV)		
Shock/Drop Abuse Tolerance MIL-STD-810F 516.5 Procedure IV (1 meter, any edge, corner or surface, in standby mode)	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)		EMC (Emission) EN 60601-1-2 (1993) method EN 55011: 1998 Group 1 Level B