

# LIFELINE™

## AUTOMATED EXTERNAL DEFIBRILLATOR (AED)

LIFELINE™ is proven to be the simplest AED to use, and has been designed by physicians so that ANYONE can save a life. Clear verbal and visual instructions guide you through each step of the rescue. Combine this with the bright oversized buttons and an unthreatening look and you have the equipment to go through the process of saving a life.

LIFELINE™ automatically detects when defibrillation is required, ensuring that treatment is only delivered when needed. The LIFELINE™ AED is able to identify and treat VF, VT and SVT.

- ① LIVE LIFELINE™ AED CAN ALSO BE USED AS TRAINER UNIT
- ① UNIQUE 7 (SEVEN) YEAR BATTERY OPTION
- ① WEATHERPROOF - IP54
- ① ACTIVE STATUS INDICATOR AND CLEAR VOICE PROMPTS
- ① PRE-CONNECTED PADS
- ① OVERSIZED BUTTONS - ENSURES SIMPLICITY OF OPERATION
- ① SELF CONTAINED WITH NO NEED FOR LIDS OR AN ADDITIONAL CASE
- ① RUBBERISED HANDLE AND SIDES PROTECT FROM IMPACT DAMAGE AND ALLOW CARRIAGE AT HIGH SPEED IN HOSTILE CONDITIONS
- ① DATA CARD - SIMPLE FUTURE UPGRADES OR LEGISLATORY CHANGES



## SPECIFICATIONS

Type	Semi-automatic external defibrillator
Models	DDU-100A, DDU-100E
Waveform	Biphasic Truncated Exponential (Impedance compensated)
Energy	150-Joules (nominal into 50 ohm load)
Charge Time (Typical)	Less than 6 seconds (DBP-1400 battery pack). Less than 9 seconds (DBP-2800 battery pack)
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". "Analysing" 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 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 <sup>2</sup> (nominal, each pad) / 50 cm <sup>2</sup> (nominal, each pad)
Pad Placement	Adult – Anterior/Anterior/ Child/Infant – Anterior/Posterior
Cable length (typical)	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
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: -25 to 50°C (-13 to 122°F)
Relative Humidity	Operating / Standby: 5% - 95% (non-condensing)
Altitude	-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 metre, 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	22 x 30 x 7cm
Weight (Approximate)	With DBP-1400: 1.9 kg / With DBP-2800: 2.0 kg

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