

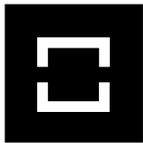
THE ART AND SCIENCE OF DEFIBRILLATION™

Lifeline PRO



Introducing Lifeline PRO

Advanced technology • Professional capabilities
Award-winning design • Robust and durable • Fully featured
Easy-to-use and maintain • Fully configurable

 **ORTUS**
TECHNOLOGIES

Introducing Lifeline PRO

Meet the AED that's taking easy-to-use to a whole new level. The Lifeline VIEW family of defibrillators are the first and only AEDs with video in full-motion colour. The Lifeline PRO offers professional responders full manual capabilities. With award-winning design, durability, and easy maintenance — backed by the Defibtech commitment to innovation and excellence — we can guarantee you've never seen an AED like this before.

Video

 They say a picture is worth a thousand words; now multiply that with the power of video. The Lifeline PRO has a large, full-colour interactive display that gives you a fully manual mode that displays the ECG and allows full control of shock energy and delivery or an AED mode that gives step-by-step instructions for performing CPR, rescue breathing and external defibrillation.

Showing How to Save Lives and Giving You the Confidence to Do It

 Saving lives, while rewarding, can be stressful. Even if you are trained, in an emergency situation, will you remember what to do and how to do it? The Lifeline PRO, in AED mode, has videos that show you how to perform a specific part of a rescue, or can display the ECG.

A Personal Coach at Your Side

 While you are in the middle of the rescue, you may not remember how many compressions to provide and the timing between each one. The Lifeline PRO has a built-in metronome that counts out the beat so you know what to do and when to do it.



Real Time Protocol Selection

 Not all rescuers are the same. Some people do compression-only CPR. Others may be trained to do both compression and rescue breathing. Real Time Protocol Selection allows you to switch over from one to both without skipping a beat, giving you the comfort and confidence to deliver emergency care your way.

Lifeline PRO Semi-Automatic Defibrillator with Manual Override

TECHNICAL SPECIFICATIONS†

OPERATING MODES

AED MODE: High resolution video display (animated instructions and CPR coaching)

ECG MONITOR MODE: Displays ECG data and event information (with 3-lead electrodes)

MANUAL MODE: Displays ECG data and event information and defibrillation energy selection from 25-200 Joules with charge, shock and disarm control

DEFIBRILLATOR

TYPE
Semi-automatic external defibrillator

MODEL
DDU-2400

WAVEFORM
Impedance Compensated Biphasic Truncated Exponential

ENERGY*
AED Mode:
Adult: 150 Joules
Child / Infant: 50 Joules

Manual Mode:
Adult: User selectable from 25-200 Joules
Child/Infant: 50 Joules

CHARGE TIME
AED Mode:
4 seconds or less (from shock advised)**

Manual Mode:
9 seconds or less (150 Joules)***
12 seconds or less (200 Joules)***

CONTROLS
Lighted On/Off button
Lighted Shock button

DISPLAY
High-resolution colour LCD

VIDEO PROMPTS
Full motion video
On-screen text prompts

CPR COACHING
Video and voice coaching
On-demand video help

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

RESCUE PROTOCOL
AHA/ERC (default); supports protocol updates by the user (password protected)

* Nominal into 50 ohm load
** Typical, with new battery, at 25°C
*** Typical, with new battery depleted by 6 shocks, at 25°C

PATIENT ANALYSIS SYSTEM

PATIENT ANALYSIS
Automatically evaluates patient impedance for proper pad contact. Monitors signal quality and analyses patient ECG for shockable/non-shockable rhythms.

SENSITIVITY/SPECIFICITY
Meets or exceeds IEC-60601-2-4 requirements; meets AAMI DF80 requirements and AHA recommendations

EVENT DOCUMENTATION

INTERNAL EVENT RECORD
Critical ECG segments and rescue event parameters are recorded (greater than 60 minutes) 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 30 hours of ECG and event data storage (no audio option) or up to 3 hours of audio (audio option). ECG and event storage on a removable data card. Actual length of storage is dependent on card capacity.

USB PORT
Event download and maintenance operations

PHYSICAL

SIZE
18.5 x 24 x 5.8 cm
(7.3 x 9.5 x 2.3 inches)

WEIGHT (with battery)
Less than (1.4 kg) 3 lbs



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 initiated by the user

STATUS INDICATION
Visual & audible indication of unit status

STATUS SCREEN
Unit self-test results
Pads and battery information (status and expiration)

DEFIBRILLATION / MONITORING PADS

MODEL
Adult: DDP-2001
Child / Infant: DDP-2002

SURFACE AREA*
Adult: 77 cm² (12 inches²)
Child / Infant: 50 cm² (7.75 inches²)

TYPE
Pre-connected, single-use, non-polarised, disposable, self-adhesive electrodes with cable and connector
*Nominal, each pad

BATTERY PACKS

NON-RECHARGEABLE

MODEL
DBP-2003, DBP-2013 (aviation)

POWER
12V, 2800 mAh

TYPE
Lithium/Manganese Dioxide
Disposable, recyclable
Non-rechargeable

CAPACITY*
125 shocks or 8 hours continuous operation

STANDBY LIFE*
4 years

LOW BATTERY INDICATORS
Visible & Audible

RECHARGEABLE

MODEL
DBP-2009

POWER
11.1 VDC, 2.0 Ah, 22.2 Wh

TYPE
Lithium Ion (Li-ON)
Recyclable, Rechargeable

CAPACITY*
12 hours of operation in ECG monitoring mode or min. 250 shocks

STANDBY LIFE*
3 months

LOW BATTERY INDICATORS
Visible & Audible

CHARGING TIME*
Less than 3 hours

USEFUL LIFE
Replacement recommended every 3 years (~300 charge/discharge cycles)

*Typical, with new battery, at 25°C

ENVIRONMENTAL

TEMPERATURE
Operating: 0 to 50°C (32 to 122°F)

One Hour Operating Temperature Limit (extreme cold): -20°C (-4°F)*

Standby: 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 48 inches (1.2 meters), any edge, corner, or surface, in standby mode

SEALING / WATER RESISTANCE
IEC 60529 class IP55;
Dust Protected, Protected against water jets (Battery pack installed)

ESD
IEC 60601-4-2: (Open air up to 15kV or direct contact up to 8kV)

EMC (Emission)
CISPR 11 Group 1 Level B and FCC Part 15

EMC (Immunity)
IEC 61000-4-3 and IEC 61000-4-8

*From room temperature to temperature extreme, one hour duration, updated specification for DDU-2000 Series AEDs running software revision 2.4 or above

†Specifications subject to change without notice



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ELECTRONIC DISTRIBUTION

MKT-GD108-113

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Is Your Device Ready for Rescue?

The One Touch Status Screen Lets You Know

 When sudden cardiac arrest strikes, there is no time to lose. You need to be sure that your AED is ready for rescue. Most other AEDs only signal when there's a problem. The Lifeline PRO's one touch status screen gives you everything you need to know that the unit is up to date and in working order — without turning it on.

Ruggedness and Durability

 The PRO's ruggedness is measured by a specific set of criteria. It is one tough little unit, coming out on top in some of the most demanding environmental tests.

Manual Override for Professional Use

 The Lifeline PRO allows the professional responder full manual control over shock energy and shock delivery. The ECG is clearly displayed on a large, brightly lit, high-resolution colour display.

Award-Winning Ergonomic Design

 Compact, portable and lightweight — under 1.4kg — the Lifeline PRO represents the newest generation in a family of defibrillators that have won a number of industry awards for design and innovation.



Easy to Maintain

 One of the major problems with most AEDs is maintenance. Not with the Lifeline PRO. The status screen gives you up to the minute information on maintenance if it's required. In addition, built-in video help gives you easy, step-by-step guidance on maintenance that supplements the user manual. Proactive reporting monitors the status of the device and its components.

Easy to Upgrade

 As protocols change over time, your unit can be upgraded in the field through a USB cable or a data card.

Easy to Record and Transfer Data

 Data from the unit can be recorded or retrieved from the device using a card or USB cable.

Safe and Effective Life-Saving Technology

 The Lifeline PRO uses biphasic technology, a clinically proven waveform and algorithm to deliver shocks and save lives. This is one of the most widely used impedance compensated waveforms which has extensive clinical experience and success in thousands of defibrillators around the world. Evaluation in hundreds of publications has demonstrated this technology to be the safest and most effective when it comes to saving lives.

Corporate Focus and Commitment — The Defibtech Tradition of Excellence Continues

 With more than a quarter of a million units shipped worldwide, Defibtech has drawn accolades for its commitment to save lives by producing the best AEDs medical technology can offer. Defibtech is an industry leader with sound technology and sound finances that constantly drive research and innovation to the next level of excellence.

Life-saving design

At Defibtech, we've designed our line of AEDs to offer industry-leading innovation, simplicity and elegance. They're sophisticated enough to meet the needs of the most demanding first responders. Yet they're also incredibly easy to use — so even untrained individuals can quickly and effectively save lives. Our AEDs feature:

Brilliant Design. With bright yellow-and-black coloring and attractive, sleek curves, our AEDs invite prominent display and aren't intimidating to users.

Latest Technology. Our AEDs use biphasic defibrillation, which is extremely effective at resuscitating patients in ventricular fibrillation, the most common form of Sudden Cardiac Arrest, on the first shock. Our units also feature cutting-edge display monitors and step-by-step audio instructions—which make it easier than ever to use the device in an emergency.

Light Weight and Durable. Even a child could carry our AEDs, which weigh less than three pounds. Plus, our devices are tested to U.S. Military "drop and shock" specifications.

The Defibtech philosophy

In designing and producing our unique line of AEDs, Defibtech relies on these distinct, yet complementary, capabilities:

Superior Value. Defibtech delivers AEDs with professional specifications at consumer prices.

Technical Innovation. Our team of engineers includes some of the most intelligent and experienced in the industry. As individuals and as a team, our engineers are committed to continually innovating — and raising the bar for the AED marketplace.

Design for the Real World. Defibtech designs and produces features and functions that are truly useful and usable.

Customer Commitment. The company is committed to enabling users to save lives through products that are powerful yet simple and easy to use.

Learn more

Defibtech AEDs are sold exclusively through Ortus Technologies in the United Kingdom. To learn more, visit www.theortusgroup.com or contact us at hello@ortus.co.uk.