LIFEPAK® 1000 DEFIBRILLATOR
Not every cardiac emergency is the same. Neither is every responder. Your world demands flexibility—and that’s exactly what the LIFEPAK 1000 defibrillator from Physio-Control delivers.
For every trained responder, the opportunity to make a difference.

Picture the waiting room of a hospital or a corridor or a cafeteria. Now picture a visitor, patient or staff member struck down by sudden cardiac emergency. Who will respond first? It could be an ALS-trained member of the code team, but it’s just as likely to be a nurse or a receptionist trained in the use of the 1000. The LIFEPAK 1000 defibrillator is ready for all these possibilities, combining the simplicity of one-push defibrillation with clear guidance, both onscreen and from audio prompts.

When an ALS-trained professional does step in—either as a first responder or in transition to advanced care—the touch of a button puts the 1000 into manual override, with greater control over when to analyze and shock. Its ECG capabilities provide critical information to guide your protocol and deliver faster, more appropriate treatment, and the 1000 also stores this vital data for use in post-event review.

On patrol in a squad car or onboard a fire engine, the flexibility of the 1000 makes the story even simpler. BLS-trained responders have exactly the device they need, with powerful defibrillation—up to 360 joules—long battery life, and a rugged construction that can stand up to severe environments. And with cprMAX™ technology, BLS medical directors can configure the settings of the 1000 to match their teams’ CPR protocols.

When it’s time to hand off a patient to the care of hospital code teams or EMS ALS teams, the compatibility of the 1000 with other Physio-Control devices can speed transfer by allowing electrodes to remain on the patient while responders quickly and seamlessly reconnect to a more advanced monitor.

LIFEPAK 1000 Defibrillator and CODE-STAT 9.0 Data Review Software

The patient and performance data captured by the 1000 can be easily viewed, analyzed and managed with CODE-STAT 9.0 Data Review Software. Not only can this information speed patient response and guide critical long-term treatment decisions, but it also can help improve future care by enabling teams to review performance and target training areas.
The LIFEPAK 1000 defibrillator at a glance.

Rugged Construction
Rigorously drop-tested device and protective case and bumpers.

Vehicle Friendly
Designed to ride along in any vehicle without damage from continuous vibrations and other movement.

High-Capacity Battery
Power for up to 220 shocks [360J] or approximately 17 hours of monitoring time.

360 Joules
Can escalate defibrillation power to an industry-leading 360J.

cprMAX™ Technology
Minimizes CPR interruptions by allowing compressions to continue during AED charging.

CPR Countdown Timer
Provides direction for length of hands-on time for each CPR period based on system protocol.

ECG Capability
3-lead ECG function is available when needed.

Shock Counter
Digitally records and displays delivered shocks for added insight.

Large Display
Large, easy-to-read LCD screen provides more information at a glance.

Compatible Technology
Electrodes are fully compatible with all other LIFEPAK defibrillators and monitors.

Programmable
Adjust settings to match your team’s CPR and resuscitation protocols.

Easy-To-Use AED
Loud voice prompts and on-screen graphics provide guidance on applying electrodes and initiating a shock.

cprMAX Technology
The 1000 features our exclusive cprMAX technology, which gives you the flexibility to choose CPR settings that best accommodate your patient and CPR protocol requirements. The pre-shock CPR option allows adjustment of the CPR interval prior to the first shock, making the 1000 the only device that minimizes pre-shock pauses by allowing providers to continue compressions while the AED charges.

Recently published clinical data shows a relationship between increased compression fraction and survival to hospital discharge, and the 2010 AHA Guidelines place a strong emphasis on high-quality CPR. With the LIFEPAK 1000, you have more control over the CPR you provide in lifesaving settings than ever before.

LIFEPAK TOUGH™
Built for the harshest environments, the LIFEPAK 1000 is the toughest, most durable AED from Physio-Control. The device itself withstands rigorous drop-testing from any angle, and is enclosed in a highly protective case with bumpers. In addition, the 1000 has received an IP55 rating—the highest for any AED—signifying maximum protection from external elements.

360 Joules
Like every LIFEPAK defibrillator from Physio-Control, the 1000 can escalate energy up to 360J. Studies show that for difficult-to-defibrillate patients, repeating 200J shocks yields significantly lower VF termination rates. And the 2010 AHA Guidelines note that rescuers may consider using escalating energy up to 360J if initial shocks at a lower dose aren’t working.

ALS Hand-off
The LIFEPAK 1000 is simple to use for any trained responder, but it also provides an easy, highly compatible transition to ALS care teams. The shock counter on the 1000 gives next level care teams insight into treatment provided. It has an available 3-lead ECG. And its electrodes are the same ones used on LIFEPAK ALS monitors—the brand of choice for more EMS teams across the country.
Whether you are choosing the 1000 for the first time—or are adding new options—your Physio-Control representative will provide the introductory training you need to get the most from your LIFEPAK 1000 defibrillator. Additional training solutions are also available.

Trainer 1000
With the same screen messages, audible tones and voice prompts as those found in the 1000, the Trainer 1000 provides realistic training without live energy. It helps guide users through simulated analysis, energy delivery and prompted CPR intervals—without taking your LIFEPAK 1000 defibrillator out of service for hands-on training. Includes simulated cprMAX technology.

Training Simulation Package
For use with your LIFEPAK 1000 defibrillator, this package includes a patient simulator, spare battery and training electrodes, all at an affordable price. Without purchasing a separate training unit, responders can hone their AED skills, practice recognizing and responding to different ECG rhythms, and learn about the advanced capabilities of the 1000 with live-switching from ECG Monitoring Mode to Manual Mode.

AED Challenge
An interactive, online refresher training tool for LIFEPAK automated external defibrillators, AED Challenge® enables you to stay up-to-speed with your AED/CPR skills when and where you choose. Real-life scenarios give you regular practice and immediate feedback, and administrators can adjust and track training with the included learning management tools. AHA 2010 Guidelines consistent.

Committed to service
With the largest and best-trained network of technical service representatives in the industry, Physio-Control proudly takes the lead in offering LIFEPAK 1000 defibrillator customers best-in-class technical support for their devices. On call 24 hours a day, 7 days a week in North America, our agents strive to return every phone call within two hours, working with you to quickly assess your particular problem and find the best solution. Our Redmond, Washington-based technical support center is also available to troubleshoot problems by phone.

Getting responders ready with training tools.

Hospitals
The LIFEPAK 1000 defibrillator can be an important part of a comprehensive AED solution for your facility. Contact us for a free Heart Safe Hospital Assessment and see how the 1000 can be a part of a comprehensive AED solution for your facility. We’ll analyze your existing equipment and resuscitation practices and recommend steps for aligning your cardiac response with the latest guidelines and clinical evidence—including AHA.

Meets your needs
The flexible LIFEPAK 1000 defibrillator from Physio-Control is your chance to give first responders exactly the lifesaving device they need—and give advanced responders the information and capabilities they can use to change outcomes for patients.

Contact your Physio-Control sales representative or call 1.800.442.1142 to find out more.
CPR Assistance

LUCAS® Chest Compression System

Designed to provide effective, consistent, and uninterrupted compressions according to AHA Guidelines, LUCAS can be used on adult patients in out-of-hospital settings.

Information Management

CODE-STAT® 9.0 Data Review Software

CODE-STAT® 9.0 data review software is a retrospective analysis tool that provides easy access to data, reports, and post-event review.

CPR

ReadyLink® 12-Lead ECG

Handheld, portable, and easy-to-use, the revolutionary ReadyLink 12-Lead ECG quickly and easily captures and transmits 12-lead data to hospitals through the LIFEPAK System. Doctors can provide chest pain decision support, and where the field know exactly what kind of care the patient needs and where to take them.

Specifications

Temperature:
- All specifications are at 20°C unless otherwise specified.
- Monitors: Basic AHA specifications with voltage and duration compensation for patient impedance.
- Energies: Device configurable, 150–360 joules. Default energy used in adult settings are 200, 300, 360 joules. 360 joules for every shock thereafter.
- Charge Time: With new, nonrechargeable battery pack, 250 joules in less than 7 seconds (360 joules in less than 12 seconds).
- 3-Minute Lead II Monitoring Capability: If ECG display option purchased. Requires purchase of 3-wire (Lead II) monitoring cable and E-CAP®II electrodes.
- Device Software: Field upgradable.
- Interface: USB Real Time Data Transfer: Electrophysiology: Reduces selected energy by a factor of 4. Available for use only with children up to 18 years of age or 25 kg (55 lbs).
- Safety Classification: Internally powered equipment IEC 60601-1.
- Electrical Protection: Input protected against electrical overloads; Electrocardiograms (ECG) data protected against electromagnetic interference (EMI) per IEC 60601-1.
- Battery Life: Typically will provide 440 200 joule shocks or 1030 minutes of operating time at 0°C.
- Drop: 40 g peak, 15-23 ms, 45 Hz cross over frequency.
- Immunity: IEC 60601-1-2; IEC 61000-4-2 (Level 4), IEC 61000-4-4, IEC 61000-4-3, IEC 61000-4-8, IEC 61000-4-6.
- Standby Life: Typically will provide device activity for 5 years.
- Low Battery Indication: 30 minutes of monitoring activity when no battery is installed.
- Power: Lithium Manganese Dioxide (Li/MnO 2), 12.0V, 4.5 amp-hours.
- Weight: Typically will provide device activity for 5 years.
- Physical Characteristics: Height: 5.7 cm (2.2 in). Width: 21.4 cm (8.4 in). Depth: 27.7 cm (10.9 in). Weight: 2.4 kg (5.3 lbs).

Physical characteristics

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Environmental

Discal Operating Temperature: From room temperature to temperature extremes, in hour duration: -25°C to 5°C (3°F to -40°F).
- Operating Temperature: 0°F to 57°C (20°F to 130°F).
- Storage Temperature: -30° to 60°C (-22° to 144°F) with battery and electrodes (maximum exposure limited to 7 days).
- Atmospheric Pressure: 57.9 kPa to 101,3 kPa (-172 to -126 mm) 10,000 ft (3,050 ft).
- Relative Humidity: 5% to 93% (non-condensing).
- Dust/Water Resistance: IPX5 with battery and REDI-PAK™ electrodes installed (IEC 60529).
- Burn: 1 to 120 joules (IEC 60601-2-2).
- Shock: 40 g peak, 15-23 ms, 45 Hz cross over frequency.
- Drop: 40 g peak, 15-23 ms, 45 Hz cross over frequency.
- Vibration: Random vibration levels – MIL-STD-810F, Method 214, Category 2B.
- Ground vehicle ≤3.5 g rms 1/2 sine per axis.
- EMC:
- Radiated: IEC 60601-2-4, EN 60601-1-2, CISPR 11 Class B Group 1.
- Immunity: IEC 60601-2-4, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-5, IEC 61000-4-6.

Event Documentation and Communication

Memory Capacity: Dual patient storage. Minimum 40 minutes ECG for current patient. Summarized data for previous patient.
- Report Types: Continuous ECG, summary critical resuscitation events and associated events, event log report (report of time spent(S) away from operator and device activity), trend log report (full trend activity report).
- Capacity: Minimum 100 stored event entries.
- Dual battery: Capability with automatic switching.
- Data Review: CODE-STAT®™ Medical Information System. Direxion Express™ 2.1 Information Management System or higher.
- Communications: Infrared wireless transfer to personal computer.

User Interface and Functionality

Note: The operating instructions for information on battery care.
- Primary Battery: Nonrechargeable battery with status indicator.
- Type: Lithium Manganese Dioxide (Li/MnO 2), 12.0V, 4.5 amp-hours.
- Capacity: Discharge will provide approximately 440 200 joule shocks or 1030 minutes of operating time with a new battery (STD-100 peak shocks or 203 minutes of operating time at 20°C).
- Weight: 0.45 kg (1 lb).
- Shelf Life: The battery is charged and stored for 5 years at 20°C to 30°C. The device will hold 20 minutes of standby life.
- Standby Life: (assuming daily tests only) – A new battery provides device power for 5 years.
- Low Battery Indication: All 30 minutes or 75 minutes of operating time remains when no battery is installed.

Physical Characteristics

Height: 5.7 cm (2.2 in).
Width: 21.4 cm (8.4 in).
Depth: 27.7 cm (10.9 in).
Weight: 2.4 kg (5.3 lbs) with one set of REDI-PAK electrodes and one non-rechargeable battery.

Defibrillators/Monitors

LIFEPAK® 15 Monitor/Defibrillator

The LIFEPAK 15 monitor/defibrillator is the new standard in emergency care for ALS teams who want the most clinically innovative, operationally innovative, and LIFEPAK TOUCH device available today.

LIFEPAK® 20e Defibrillator/Monitor

Clinically advanced and powered with power, the LIFEPAK 20e defibrillator/monitor is highly intuitive for first responders, and also skillfully combines AED function with manual capability so that ACLS-trained clinicians can quickly and easily deliver advanced therapeutic care.

LIFENET System

The LIFEPAK System provides EMS and hospital care teams with reliable, quick access to clinical information through a secure, web-based platform, helping to improve patient care flow and operational efficiency.

CODE-STAT® 9.0 Data Review Software

CODE-STAT® 9.0 data review software is a retrospective analysis tool that provides easy access to data, reports, and post-event review.

PREHOSPITAL FAMILY OF PRODUCTS

Defibrillators/ Monitors

LIFEPAK® Plus Automated External Defibrillator

Featuring the same advanced technology that is trusted by emergency medical professionals—yet simple to use—the fully-automated LIFEPAK CPR PLUS AED is designed specifically for the first person to respond to a victim of sudden cardiac arrest.

LIFEPAK® 1000 Defibrillator

The LIFEPAK 1000 defibrillator is designed for use in hospital settings.
REFERENCES


For further information, contact Physio-Control at 800.442.1142 (U.S.), 888.870.0977 (Canada) or visit our website at www.physio-control.com.