



LIFEPAK[®] and HeartSine[®] AEDs



Which AED is right for you?
Physio-Control has a solution for every need.



Choose the AED solution you can rely on.

Be ready for Sudden Cardiac Arrest.

Sudden cardiac arrest (SCA) can strike anyone, anywhere. It's a leading cause of death among adults over the age of 40 in the United States and other countries.¹ Effective treatment is available, it just needs to be delivered fast—often before emergency responders can arrive. Automated external defibrillators (AEDs) work. SCA survival rates are more than four times higher when bystanders use CPR and an AED shock over CPR alone.² So when an SCA emergency happens, you want to be ready.

For more than 60 years, Physio-Control has manufactured the lifesaving equipment of choice for more emergency responders and hospital teams than anyone else. We've now merged with HeartSine, a global leader in public access defibrillator (PAD) technology, to offer the broadest range of automated external defibrillators (AEDs) with clinically proven technology.

Clinical focus. Proven technology.

Physio-Control and HeartSine have a combined history of pioneering technologies and clinical effectiveness. Data shows that escalating energy is one of the keys to successful defibrillation outcomes. That's why all of our AEDs allow subsequent shocks to be delivered at higher energy if the prior shocks were unsuccessful.

It's one example of our strong clinical focus, which also drives our commitment to continually improve our products. We conduct extensive usability testing with customers, review data from thousands of cases, and use that evidence to drive product updates and new releases. You should expect nothing less than a durable, effective AED system that's simple to use and maintain, and backed by support you can trust. You know to expect that quality and reliability from Physio-Control, and we deliver.

Solutions that work.

With a Heart Safe SolutionSM program, you get a comprehensive AED implementation and management program custom-designed for the way your company works. We provide the guidance you need at every step, from implementation, training and regulations, to maintenance, support and review. You get peace of mind knowing that your workplace is ready.



Kelly Kettler, RN-BSN,
Claims Manager, Cabela's
Heart Safe Solution customer
since 2010.



Industry-leading technology. Real-world solutions.

Whether you have a school, retail storefront, large corporation or industrial facility, we have an AED solution that can be tailored to your specific needs. Our knowledgeable consultants are ready to work with you to create and support an AED program from the broadest range of products on the market, so you can get exactly what you need for the health and safety of your students, staff and the public.

HeartSine AEDs

Designed specifically for the lay responder, HeartSine samaritan AEDs offer industry-leading value and environmental protection, all in an easy-to-operate system in the smallest and lightest package available.

HeartSine AEDs offer:

- **Clinically validated technology.** Escalating, low-energy waveform technology automatically adjusts for differences in patient impedance to optimize energy delivery if necessary.
- **Simple to own.** Each HeartSine defibrillator uses the innovative Pad-Pak, an integrated battery and electrode cartridge which offers one maintenance change every four years.
- **Fully integrated CPR solutions.** All HeartSine AEDs include advanced CPR coaching that reassures the user and optimizes hands on time. CPR Rate Advisor™ on the SAM 450 provides real-time verbal and visual feedback to increase effectiveness, without the need for cumbersome AED CPR accessories that can delay defibrillation.



samaritan® PAD 350P

The HeartSine samaritan PAD 350P is a simple-to-own semi-automatic defibrillator, designed to be durable, affordable and highly user-friendly.



samaritan® PAD 450P

More than just an AED, the HeartSine samaritan PAD 450P adds integrated CPR Rate Advisor that uses only the defibrillator electrodes to monitor and uniquely provide visual and verbal feedback on the rate of applied CPR. This exclusive technology effectively assists the rescuer to perform CPR—a key link in the chain of survival.

LIFEPAK AEDs

LIFEPAK AEDs combine full-energy dosing ranges and exceptional ease of use to set the standard in emergency care for professionals and public access customers.

LIFEPAK defibrillators offer:

- **Powerful escalating energy.** Every LIFEPAK defibrillator is capable of delivering up to 360 joules of energy for difficult-to-defibrillate patients—the most powerful AEDs in the industry. LIFEPAK device shock performance has been studied in nearly twice as many cardiac arrest victims than all other manufacturers combined.*
- **Trusted technology.** Biphasic high-energy waveform technology in LIFEPAK devices is used by more emergency medical professionals than any other brand and is the most clinically studied and proven AED technology available.*
- **Connectivity and continuity.** With electrodes that transfer to defibrillator/monitors used by most professional emergency responders, as well as connectivity to CODE-STAT™ data review software for post-event reviews, LIFEPAK AEDs offer strong continuity of care.



LIFEPAK CR® Plus defibrillator

Featuring the same advanced technology trusted by emergency medical professionals—yet simple to use—the fully automatic LIFEPAK CR Plus AED combines easy two-step operation with just the right level of guidance. The ClearVoice™ audio prompt technology enhances sound quality for better clarity in loud and chaotic environments.



LIFEPAK® 1000 defibrillator

The rugged LIFEPAK 1000 defibrillator is an easy-to-use AED designed for responders with more advanced training. A large, intuitive screen displays graphics and ECG readings that are clear and easy to read. The 1000 also features cprMAX™ technology which minimizes CPR interruptions by allowing compressions to continue during AED charging.

An AED for every need.

Every LIFEPAK and HeartSine AED is backed by the service and support of Physio-Control, the industry leader.



samaritan® PAD 350P



samaritan® PAD 450P



LIFEPAK CR® Plus defibrillator



LIFEPAK® 1000 defibrillator

Therapy features		
Defibrillation	Biphasic waveform with impedance compensating escalating energy 150/150/200J	Biphasic waveform with impedance compensating escalating energy 150/150/200J
Shock	Semi-automatic	Semi-automatic
Device features		
CPR prompting	CPR coaching with metronome	CPR coaching with metronome plus real-time verbal and visual CPR-rate feedback
Readiness display	Flashing status indicator and audible alerts	Flashing status indicator and audible alerts
Electrode options	Pad-Pak™, Pediatric-Pak™ (four-year shelf life) and TSO-Certified Pad-Pak integrated battery and electrodes	Pad-Pak, Pediatric-Pak (four-year shelf life) and TSO-Certified Pad-Pak integrated battery and electrodes
Post-event review	Saver EVO™ Windows®-based data review software	Saver EVO Windows-based data review software
Power	Pad-Pak—integrated electrode and battery cartridge, >60 shocks at 200J or 6 hours of continuous monitoring	Pad-Pak—electrode and battery cartridge, >60 shocks at 200J or 6 hours of continuous monitoring
Included accessories	Pad-Pak, carrying case	Pad-Pak, carrying case

Biphasic waveform with impedance compensation and highest-available escalating energy 200/300/360J	Biphasic waveform with impedance compensation and highest-available escalating energy 200/300/360J
Semi- and Fully automatic	Semi-automatic, with manual override capability option
Prompts to start CPR	Prompts to start CPR, CPR countdown timer, cprMAX technology
Information display with text and status icon alerts	Information display with text and status icon alerts
Preconnected QUIK-PAK™ electrodes compatible with LIFEPAK EMS devices	EDGE System™ electrodes with REDI-PAK® preconnect system, infant/child reduced energy defibrillation electrodes
CODE-STAT™ data review software with emergency responder compatibility	CODE-STAT data review software with emergency responder compatibility
SafeGuard™ power system—internal battery with replaceable battery charger, 210 minutes or 30 shocks	Non-Rechargeable Battery—17 hours monitoring or 440 shocks (rechargeable battery option available)
Carrying case, two sets of electrodes, CHARGE-PAK™ battery charger, Ambu® Res-Cue Mask® Kit	Carrying case, shoulder strap, two sets of electrodes, one battery

You can trust the industry leader.

When SCA strikes, you want to provide the best chance of survival for your employees, customers, students and visitors. That's why Physio-Control provides the widest range of AEDs, all with clinically proven effectiveness and escalating energy, so you can choose the right fit for your needs and environment.

REFERENCES

1. <http://www.sca-aware.org/about-sca>
2. Weisfeldt M, Sittani C, Ornato J, et al. Survival after application of automatic external defibrillators before arrival of the emergency medical system: evaluation in the resuscitation outcomes consortium population of 21 million. *J Am Coll Cardiol.* 2010;55(16):1713–1720.

* Based on published clinical data of cardiac arrest patients treated with biphasic shocks as of December 2013.

AED users should be trained in CPR and in the use of the AED. AEDs are intended for adults and children of all ages. AEDs may be used on children less than 8 years of age or less than 55 lbs (25 kg) with pediatric defibrillation electrodes (available separately). Although not everyone can be saved, studies show that early defibrillation can dramatically improve survival rates.

LIFEPAK and samaritan PAD AEDs require a prescription. Please consult your physician.

All information including comparative statements are valid as of March 2016.

For further information, please contact Physio-Control at 800.442.1142 or visit our website at www.physio-control.com.



Physio-Control Headquarters

11811 Willows Road NE
Redmond, WA 98052
www.physio-control.com

Customer Support

P. O. Box 97006
Redmond, WA 98073
Toll Free 800 442 1142
Fax 800 426 8049



LIFEPAK devices: Physio-Control, Inc., 11811 Willows Road NE, Redmond, WA 98052 USA
HeartSine devices: HeartSine Technologies, Ltd. 203 Airport Road West, Belfast, Northern Ireland, BT3 9ED