

# LIFEPAK<sup>®</sup> and HeartSine<sup>®</sup> 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 worldwide.<sup>1</sup> 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.<sup>2</sup> 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 FDA-cleared 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.<sup>3</sup> That's why all of our AEDs allow subsequent shocks to be delivered at higher energy—up to 360 joules—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 AED program management by Physio-Control, 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  
AED program management  
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 public access, HeartSine samaritan® AEDs offer industry-leading value and environmental protection, all in an easy-to-operate system in the smallest and lightest package available among leading AED manufacturers.

### HeartSine AEDs offer:

- **Clinically validated technology.** Escalating, low-energy waveform technology automatically adjusts for differences in patient impedance to optimise 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 optimises hands on time. CPR Advisor™ on the SAM 500P 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 samaritan® PAD 360P

Designed to be durable, affordable and highly portable, the HeartSine samaritan PAD 350P (semi-automatic) and 360P (fully automatic) are simple to use and simple to own AEDs which are well suited for the lay responder.



### samaritan® PAD 500P

More than just an AED, the HeartSine samaritan PAD 500P adds integrated CPR Advisor™ that uses only the electrodes to monitor and uniquely provide visual and verbal feedback on the force and 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 LIFELINKcentral™ AED Program Manager for immediate event data or 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® CR2 defibrillator

Rated easiest to use, easiest to hear and highest in overall user confidence than leading competitive AEDs by AED users, the LIFEPAK CR2 defibrillator with LIFELINKcentral AED Program Manager is a complete AED response system that connects everything and everyone involved to reduce unnecessary delays when an SCA event occurs. cprINSIGHT™ analysis technology analyses and detects if a shock is needed during CPR—significantly reducing pauses in chest compressions. The LIFEPAK CR2 also helped lay responders deliver the highest overall CPR quality.<sup>4</sup>



### 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 minimises 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 360P



samaritan® PAD 500P

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 (samaritan PAD 350P) Fully automatic (samaritan PAD 360P)	Semi-automatic
Device features		
CPR prompting	CPR coaching with metronome	CPR coaching with metronome plus CPR Advisor™ for real-time verbal and visual CPR rate and force feedback
Readiness indicators	Flashing status indicator and audible alerts	Flashing status indicator and audible alerts
Electrode options	Pad-Pak™, Paediatric-Pak™ and ETSO-Certified Pad-Pak (four-year shelf life) integrated battery and electrodes	Pad-Pak, Paediatric-Pak and ETSO-Certified Pad-Pak (four-year shelf life) 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



**LIFEPAK CR® Plus defibrillator**



**LIFEPAK® CR2 defibrillator**



**LIFEPAK® 1000 defibrillator**

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	Biphasic waveform with impedance compensation and highest-available escalating energy 200/300/360J
Semi- and Fully automatic	Semi- and Fully automatic	Semi-automatic, with manual override capability option

Prompts to start CPR	cprCOACH™ feedback technology with metronome plus cprINSIGHT™ technology for reducing or eliminating pauses in chest compressions	Prompts to start CPR, CPR countdown timer, cprMAX™ technology
Information display with text and status icon alerts	Flashing status indicator, audible alerts and email and system alerts provided by LIFELINKcentral™ AED Program Manager	Information display with text and status icon alerts
Preconnected QUIK-PAK™ electrodes compatible with LIFEPAK EMS devices, Infant/Child Reduced Energy Defibrillation electrodes	Preconnected QUIK-STEP™ electrodes for adult and paediatric patients, compatible with LIFEPAK EMS devices (four-year shelf life)	EDGE System™ electrodes with REDI-PAK® preconnect system, Infant/Child Reduced Energy Defibrillation electrodes
CODE-STAT™ Data Review Software with emergency responder compatibility or DT EXPRESS™ Data Transfer Software for importing and exporting data	CODE-STAT™ Data Review Software with emergency responder compatibility or DT EXPRESS™ Data Transfer Software for importing and exporting data	CODE-STAT™ Data Review Software with emergency responder compatibility or DT EXPRESS™ Data Transfer Software for importing and exporting data
SafeGuard™ power system—internal battery with replaceable battery charger, 210 minutes or 30 shocks	Non-Rechargeable Battery—15 hours monitoring or 166 shocks at 200J	Non-Rechargeable Battery—17 hours monitoring or 440 shocks at 200J (rechargeable battery option available)
Two sets of electrodes, CHARGE-PAK™ battery charger, carrying case, AMBU® Res-Cue Mask® kit	One set of electrodes, one battery, carrying case, one LIFELINKcentral AED Program Manager Basic account	Two sets of electrodes, one battery, carrying case, shoulder strap

# 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.
3. Stiell I, Walker R, Nesbitt L, Chapman F, et al. The BIPHASIC Trial: A randomized comparison of fixed lower versus escalating higher energy levels for defibrillation in out-of-hospital cardiac arrest. *Circulation.* 2007;115:1511-1517.
4. Physio-Control Internal Semi-Automatic AED Comparison Usability Study, August 2016.

\* Based on published clinical data of cardiac arrest patients treated with biphasic shocks as of December 2015.

AEDs are intended for adults and children of all ages. AEDs may be used on children less than 25 kg (55 lbs) but some models require paediatric defibrillation electrodes (available separately).

Although not everyone can be saved, studies show that early defibrillation can dramatically improve survival rates.

All claims valid as of August 2016.

If you purchased your LIFEPAK CR2 Defibrillator from an authorised Physio-Control distributor or reseller, this distributor or reseller will have access to your LIFELINKcentral AED Program Manager account and may receive notifications prompted by the LIFEPAK CR2 Defibrillator. Please note that this setting can be disabled at ANY time: if you wish to disable this setting, please send a request to Physio-Control Customer Support to change the Distributor value to "Customer Managed".

For further information please contact your local Physio-Control representative or visit our website at [www.physio-control.com](http://www.physio-control.com).



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