

# HeartSine® samaritan® PAD

## Trainer family

Training automated external defibrillator (AED)  
with remote control



## Realistic training demonstration

The easy-to-use HeartSine samaritan PAD Trainer with remote control guides users through simulated analysis, energy delivery and prompted Cardiopulmonary Resuscitation (CPR) with the look and feel of a live samaritan Public Access Defibrillator (PAD) without the actual charge and discharge of an electrical shock.

The HeartSine samaritan PAD Trainer is available in three models: SAM 450P, SAM 360P and SAM 350P. The SAM 450P Trainer simulates the SAM 450P AED by providing the same visual and verbal CPR Rate Advisor prompts.



## Realistic

Voice and visual prompts, CPR Rate Advisor and CPR coaching match those of the corresponding HeartSine samaritan PAD defibrillator. Likewise, size and shape are the same, but unique labeling, membrane color and Pad-Pak color are designed to prevent inadvertent use in an actual emergency.

## Simulate the full range of “real life” scenarios

The multi-function remote control enables you to select among six AHA/ERC scenarios for live demonstrations or training. Additionally, the SAM 450P Trainer remote control provides the training instructor with the flexibility to choose the appropriate CPR Rate Advisor prompts based on the student’s CPR compression rate.

One remote control can operate multiple trainer units at a time (within a range of 10-15 feet (3-5 meters)). The Trainer can be used with most CPR manikins.

## Appropriate for all skill levels

The Trainer can be used by businesses to train employee first responders on the use of the HeartSine samaritan PAD. In addition, it meets the needs of professional trainers, either teaching first-time lay users or providing refresher training for experienced emergency responders.

## Cost-effective

The Trainer is powered by a rechargeable battery. Electrode pads are cost-effective and reusable, and mimic the Pad-Pak battery/pad cartridge unique to the HeartSine samaritan PAD defibrillator.



### The Whole Package

The HeartSine samaritan PAD Trainer package includes remote control with AAA batteries, Trainer-Pak, battery charger, soft carry case with two zipper compartments, user manual, and three pairs of training electrode pads.

## Scenarios

The HeartSine samaritan PAD Trainer integrates realistic rescue scenarios for AED training and adheres to the AHA/ERC 2015 protocol of one shock followed by two minutes of CPR. A metronome and flashing prompt at 110 beats per minute help to establish correct rate for chest compressions.

With the SAM 450P Trainer (TRN-450), the training instructor can observe the CPR being performed by the students, and use the remote control to provide feedback on rate of compressions. Depending on the remote button pushed, the student may hear “Push faster”, “Push slower” or “Good speed”. If the student does not begin CPR when prompted by the Trainer, the training instructor can push a button to prompt the student to “Begin CPR”. As on the SAM 450P, visual guides will accompany the verbal prompt to assist the student to perform the appropriate rate of compressions.

The following are selectable training scenarios. The training instructor can manually select and play the CPR Rate Advisor verbal and visual prompts at any time while CPR is being performed.

- **SHOCK ADVISED (SA)**  
Shock Advised condition, followed by CPR
- **NO SHOCK ADVISED (NSA)**  
No Shock Advised condition, followed by CPR
- **CHECK PADS**  
Check pads followed by SA condition and CPR
- **ANALYZING MODE**  
Analyzing mode followed by SA and CPR, SA and CPR, and NSA and CPR
- **SHOCK ADVISED**  
Shock Advised condition, followed by CPR (compressions and breaths)
- **NO SHOCK ADVISED**  
No Shock Advised condition, followed by CPR (compressions and breaths)

## Features

### Selectable training scenarios

Six pre-programmed AHA/ERC scenarios.

### Training pads

Three pairs of reusable, replaceable training electrode pads are included. Compatible with all training manikins, the electrode pads are easy to place back on to the pad liner.

### Cable rewind mechanism

Easy replacement of pads and cables after each session reduces time spent resetting system.

### CPR Rate Advisor controls

SAM 450P Trainer remote control enables the training instructor to play "Push faster", "Push slower", "Good speed" or "Begin CPR" during CPR compressions.

### Pause button

Temporarily stops, then resumes, the training scenario to enable the trainer to offer additional explanation and support to the class.

### Volume configurable

Four selectable volume levels with default to last selection.

### Rechargeable battery

Operates up to seven hours—a full day of training—on a single charge. Recharges in just six hours.

### Battery status indicator

LEDs indicate charging status (while not in use) or one hour of remaining battery life (while in use).

### Upgradable

Updates to Trainer software available for download on the HeartSine website.

### Language options

Language options enable the Trainer to provide instructions in the local language.



## Specifications

**Weight:** 1.3 lb (0.6 kgs)

**Battery:** Rechargeable

### Includes:

- Remote control with AAA batteries
- Trainer-Pak
- Battery charger
- Soft carry case with two zipper compartments
- User manual
- Three pairs of training electrode pads

## HeartSine samaritan PAD Trainer<sup>1</sup> Models



**HeartSine samaritan PAD 450P Trainer with CPR Rate Advisor simulation**  
(TRN-450-xx)



**HeartSine samaritan PAD 360P Trainer**  
(TRN-360-xx)



**HeartSine samaritan PAD 350P Trainer**  
(TRN-350-xx)

## Accessories



### HeartSine samaritan PAD Trainer Remote

SAM 450P (TRN-ACC-19)

SAM 360P (TRN-ACC-18)

SAM 350P (TRN-ACC-16)



### Trainer-Pak

(Replacement electrode cartridge)  
(TRN-PAK-04)



### Replacement Electrodes

(for use with Trainer-Pak)

10/pak (TRN-ACC-02)

25/pak (TRN-ACC-03)



### Battery Charger

(Replacement)  
(TRN-ACC-14)



### USB Data Cable

(PAD-ACC-02)

Brief summary of indications and important safety information on back.

**BRIEF SUMMARY OF INDICATIONS AND IMPORTANT SAFETY INFORMATION**

**INDICATIONS FOR USE:** The HeartSine samaritan PAD SAM 350P (SAM 350P), HeartSine samaritan PAD SAM 360P (SAM 360P) and HeartSine samaritan PAD SAM 450P (SAM 450P) are indicated for use on victims of cardiac arrest who are exhibiting the following signs: unconscious, not breathing, without circulation (without a pulse). The devices are intended for use by personnel who have been trained in their operation. Users should have received training in basic life support/AED, advanced life support or a physician-authorized emergency medical response training program. The devices are indicated for use on patients greater than 8 years old or over 55 lbs (25 kg) when used with the adult Pad-Pak™ (Pad-Pak-01 or Pad-Pak-07). They are indicated for use on children between 1 and 8 years of age or up to 55 lbs (25 kg) when used with the Pediatric-Pak™ (Pad-Pak-02).

**CONTRAINDICATION:** If the patient is responsive or conscious, do not use the HeartSine samaritan PAD to provide treatment.

**WARNINGS: AEDs:**

- The HeartSine samaritan PAD delivers therapeutic electrical shocks that can cause serious harm to either users or bystanders. Take care to ensure that no one touches the patient when a shock is to be delivered.
- Touching the patient during the analysis phase of treatment can cause interference with the diagnostic process. Avoid contact with the patient while the HeartSine samaritan PAD is analyzing the patient. The device will instruct you when it is safe to touch the patient.
- Do not delay treatment trying to find out the patient's exact age and weight. If a Pediatric-Pak or an alternative suitable defibrillator is not available, you may use an adult Pad-Pak.
- The SAM 360P is a fully automatic defibrillator. When required, it will deliver a shock to the patient WITHOUT user intervention.
- The SAM 450P CPR Rate Advisor is currently only intended to provide feedback on adult patients. If you treat a pediatric patient with the SAM 450P and an adult Pad-Pak, ignore any voice prompts regarding the rate of CPR.
- Do NOT use the HeartSine samaritan PAD in the vicinity of explosive gases, including flammable anesthetics or concentrated oxygen.
- Do NOT open or repair the device under any circumstances as there could be danger of electric shock. If damage is suspected, immediately replace the HeartSine samaritan PAD.

**Pad-Paks:**

- Do not use if the gel is dry.
- The Pediatric Pad-Pak is not for use on patients under 1 year old. For use with children up to the age of 8 years or up to 55 lbs (25 kg). DO NOT DELAY THERAPY IF YOU ARE NOT SURE OF EXACT AGE OR WEIGHT.
- Only HeartSine samaritan PADs with the  label are suitable for use with the Pediatric-Pak. If the HeartSine samaritan PAD you are using does not have this label, use the adult Pad-Pak if no alternatives are available.
- The use of the Pediatric-Pak will enable delivery of 50J shocks to the pediatric patient.
- The Pediatric-Pak contains a magnetic component (surface strength 6500 gauss). Avoid storage next to magnetically sensitive storage media. It is advised that Pediatric-Paks are stored separately when not in use.
- Never charge, short circuit, puncture, deform, incinerate, heat above 85°C or expose contents of TSO (Aviation) Pad-Pak to water. Remove when discharged.

**PRECAUTIONS: AEDs:**

- Proper placement of the HeartSine samaritan PAD electrode pads is critical. Electrode pads must be at least 1 in (2.5 cm) apart and should never touch one another.
- Do not use electrode pads if pouch is not sealed.
- Check the device periodically in accordance with the service and maintenance instructions provided in the User Manual.
- Operate the HeartSine samaritan PAD at least 6 feet (2 meters) away from all radio frequency devices or switch off any equipment causing interference.
- Use of the device outside the operating and storage ranges specified in the User Manual may cause the device to malfunction or reduce the shelf life of the Pad-Pak.
- Do not immerse any part of the HeartSine samaritan PAD in water or any type of fluid.
- Do not turn on the device unnecessarily as this may reduce the standby life of the device.
- Do not use any unauthorized accessories with the device as the HeartSine samaritan PAD may malfunction if non-approved accessories are used.
- Dispose of the device in accordance with national or local regulations.
- Check with the relevant local government health department for information about any requirements associated with ownership and use of a defibrillator in the region where it is to be used.

**Pad-Paks:**

- Check expiration date.

**Saver EVO™ Software:**

- Download the complete HeartSine samaritan PAD memory prior to erasing it. This information should be stored safely for future reference. Ensure that only the events you want to delete have been selected prior to deleting. Once deleted from your computer's memory, events cannot be regenerated and all information will be lost.

**POTENTIAL ADVERSE EFFECTS:** The potential adverse effects (e.g., complications) associated with the use of an automated external defibrillator include, but are not limited to, the following:

- Failure to identify shockable arrhythmia.
- Failure to deliver a defibrillation shock in the presence of VF or pulseless VT, which may result in death or permanent injury.
- Inappropriate energy which could cause failed defibrillation or post-shock dysfunction.
- Myocardial damage.
- Fire hazard in the presence of high oxygen concentration or flammable anesthetic agents.
- Incorrectly shocking a pulse-sustaining rhythm and inducing VF or cardiac arrest.
- Bystander shock from patient contact during defibrillation shock.
- Interaction with pacemakers.
- Skin burns around the electrode placement area.
- Allergic dermatitis due to sensitivity to materials used in electrode construction.
- Minor skin rash.

**CAUTION:** U.S. Federal law restricts this device to sale by or on the order of a physician.

Please consult the User Manual at [www.heartsine.com](http://www.heartsine.com) for the complete list of indications, contraindications, warnings, precautions, potential adverse events, safety and effectiveness data, instructions for use and other important information.

**References**

1 The samaritan PAD Trainers have no capability to diagnose or treat an arrhythmia. They are intended to simulate the use of an AED for instructional purposes only.

For further information, please contact Stryker at 800 442 1142 (U.S.) or visit our web site at [strykeremergencycare.com](http://strykeremergencycare.com)

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HeartSine SAM 450P is not available for sale outside of the U.S. or Japan.

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