HeartSine® samaritan® PAD 350P/360P
Connected AEDs

Semi-automatic/fully automatic public access defibrillators with integrated Wi-Fi® connectivity

Data sheet

Readiness matters.

When sudden cardiac arrest occurs, immediate treatment is vital. A victim’s chance of survival dramatically decreases for every minute without treatment. This means not only must an Automated External Defibrillator (AED) be close at hand and easy to use, it must be ready to shock.

Connected for extra protection, HeartSine samaritan PAD 350P and 360P Connected AEDs offer key features that help ensure readiness:

• Simplified readiness monitoring
• Integrated Wi-Fi connectivity
• AED program management
• Low cost of ownership

Readiness made easy

LIFELINKcentral AED program manager
Monitors AED programs by tracking AED readiness status, Pad-Pak expirations, CPR/AED training certificates and more.

Integrated connectivity
Communicates via Wi-Fi with LIFELINKcentral AED program manager to enable AEDs to be managed across a single or multiple locations.
**Warning:** The SAM 360P is a fully automatic defibrillator. When required, it will deliver a shock to the patient without user intervention.

### Simple to own
- **Two parts, one expiration date**
  - The innovative Pad-Pak, an integrated battery and electrode single-use cartridge with one expiration date, offers one simple maintenance change every four years.
- **Low cost of ownership**
  - Shelf life of four years means that the Pad-Pak may offer savings over other defibrillators that require separate battery and electrode replacements.
- **8-year warranty**
  - AED is backed by an 8-year limited warranty.

### Made for you
- **Real-time CPR coaching**
  - Easy-to-understand visual and voice prompts guide the rescuer through the entire resuscitation process, including CPR — a key link in the chain of survival.
- **Unique Pediatric-Pak**
  - Ensures the guidelines-recommended energy level is delivered for children, between 1 and 8 years of age or up to 55 lb (25 kg).
- **One- or two-button operation**
  - With just an ON/OFF button and the SHOCK button on the SAM 350P, offers a simple, straightforward operation.
- **Automatic shock delivery / Motion detection**
  - Fully automatic SAM 360P* detects motion, such as performing CPR or moving the patient, to reduce the likelihood that the user is touching the patient prior to shock delivery.
- **Highly portable**
  - With the lightest weight and most compact footprint among leading AEDs, is easily transported and fits into constrained spaces.
- **Clinically validated technology**
  - Advanced electrode technology and SCOPE (Self-Compensating Output Pulse Envelope) biphasic technology, a low energy escalating waveform that automatically adjusts for differences in patient impedance.
- **High level of protection from dust and water**
  - Offers IP56 rating, one of the highest ratings in the industry.

### Specifications

**Defibrillator**

- **Waveform:** Self-Compensating Output Pulse Envelope (SCOPE) optimized biphasic escalating waveform compensates energy, slope and duration for patient impedance.
- **Energy selection**
  - Pad-Pak:
    - Shock 1: 150J
    - Shock 2: 150J
    - Shock 3: 200J
  - Pediatric-Pak:
    - Shock 1: 50J
    - Shock 2: 50J
    - Shock 3: 50J
- **Charge time (typical):**
  - 150J: in < 8 seconds
  - 200J: in < 12 seconds

**Environmental**

- **Operating/Standby temperature:** 32°F to 122°F (0°C to 50°C)
- **Transport temperature:** 32°F to 122°F (0°C to 50°C)

**Energy impedance range:** 20-230 ohms

**Physical characteristics**

- **With Pad-Pak installed and HeartSine Gateway, with batteries, attached:**
  - **Size:** 9.21 in x 7.25 in x 1.9 in
  - **Weight:** 2.83 lb (1.285 kg)
- **With Pad-Pak Electrode and Battery Cartridge:**
  - **Size:** 2.83 in x 5.24 in x 0.94 in
  - **Weight:** 2.0 lb (0.91 kg)

**Materials used**

- **Defibrillator housing / HeartSine Pad-Pak:** ABS, Santoprene
- **Electrodes:** Hydrogel, Silver, Aluminium and Polyester

**Warranty**

- AED: 8-year limited warranty
- HeartSine Gateway: 2-year limited warranty

**Communications**

- **Wireless:**
  - 802.11 b/g/n data transfer to LIFELINKcentral AED program manager
  - USB connection to Saver EVO software
  - USB connection to Windows-based data review software

**Data storage**

- **Memory type:** Internal memory
- **Memory storage:** 100 minutes of ECG (full disclosure) and event/incident recording

**Battery**

- **Battery type:** CR123A 3V, Non-rechargeable
- **Nominal voltage (per battery):** 3V
- **Typical capacity load:** 100 Ohm, at 68°F (20°C), 1500 mAh down to 2V

**Volume:** 0.43 in³ (7 ccm)

**Electrode active area:** 15 in² (100 cm²)

**Electrode cable length:** 3.3 feet (1 meter)

**Authorized distributor**

- **AED safety test** (TSO/ETSO-certified Pad-Pak): RTCA/DO-227 (ETSO-C142a)
- **HeartSine Gateway Battery**
  - Type: CR123A 3V, Non-rechargeable
  - Type number: 6205
  - Designation IEC: CR 1734
  - Weight (per battery): 17g
  - Quantity: Four

**System:**

- **Lithium Manganese Dioxide / Organic Electrolyte
- UL recognition:** UL 1564 (9)
- **Magnetic field immunity:** IEC/EN 61000-4-2 (8 kV)
- **Radiated emission:** IEC/EN 61000-4-3 80MHz-2.5 GHz
- **EMC:** IEC/EN 60601-1-2
- **Vibration:** MIL STD 810F Method 516.5, Grade IV
- **ATMOSHERIC pressure:** 572 hPa to 795 mmHg
- **Magnetic field immunity:** IEC/EN 61000-4-2 (8 kV)
- **Radiated emission:** IEC/EN 61000-4-3 80MHz-2.5 GHz
- **EMC:** IEC/EN 60601-1-2
- **Vibration:** MIL STD 810F Method 516.5, Grade IV

**Warranty**

- AED: 8-year limited warranty
- HeartSine Gateway: 2-year limited warranty

**Communications**

- **Wireless:**
  - 802.11 b/g/n data transfer to LIFELINKcentral AED program manager
  - USB connection to Saver EVO software through Micro USB port

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*Warning:* The SAM 360P is a fully automatic defibrillator. When required, it will deliver a shock to the patient without user intervention.
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 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 lb (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 lb (25 kg) when used with the Pediatric-Pak (Pad-Pak-02).

CONTRAINICATION: 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.

CONTRAINDICATIONS: • 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 lb (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 alternatives are available. • The use of the Pediatric-Pak will enable delivery of 50 J shocks to the pediatric patient. • The Pediatric-Pak contains a magnetic component (surface strength 6500 gauss). Avoid storage near 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 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.