

HeartSine® samaritan® PAD 350P/360P AEDs

Semi-Automatic/Fully Automatic
Public Access Defibrillators

Data sheet

Compact, easy-to-use, lifesaving technology for public access

Sudden cardiac arrest strikes 7 million people a year worldwide with no warning and no pattern. There's little time to react and even less time to think. This means an Automated External Defibrillator (AED) must be close at hand, easy to use and ready to shock.

The semi-automatic HeartSine samaritan PAD 350P (SAM 350P) and fully automatic HeartSine samaritan PAD 360P (SAM 360P) offer industry-leading value and environmental protection, all in an easy-to-operate system in the smallest and lightest package available.

The fully automatic SAM 360P detects motion or other significant interference to reduce the likelihood that the user is touching the patient prior to shock delivery.



Ready to shock

- **Portable and lightweight**

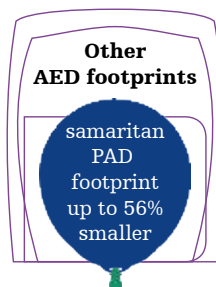
Most portable AED offered by a leading manufacturer with its light weight (1.1 kg) and compact footprint.

- **Highest level of protection against dust and water**

Offers unmatched ruggedness with its high IP56 rating.

- **Clinically validated technology¹**

Proprietary electrode technology and SCOPE™ biphasic technology, a low energy escalating waveform, that automatically adjusts for differences in patient impedance.



Easy-to-follow visual and verbal guides

- **User-friendly**

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.

- **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**

After analysing heart rhythm, automatically deliver a shock (if needed), eliminating the need for the rescuer to push a shock button (SAM 360P*).

- **Always ready**

A System Status Ready Indicator flashes to show that the complete system is operational and ready for use. The device automatically runs a self-check each week.



“Apply pads to patient’s bare chest as shown in picture”



“Stand clear of the patient”



“Safe to touch the patient”

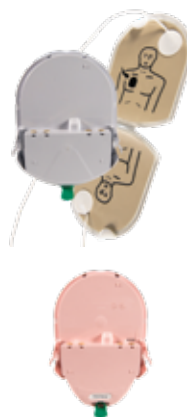
Simple to own

- **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**

With a shelf life of four years, the Pad-Pak offers significant savings over other defibrillators that require separate battery and electrode replacements.



Pad-Pak and Pediatric-Pak™ with pre-attached electrodes

The HeartSine samaritan PAD’s built-in intelligence and unique Pediatric-Pak ensure the appropriate energy level (50 J) is delivered for children, between 1 and 8 years of age or up to 25 kg (55 lb).

Specifications

Defibrillator

Waveform: Self-Compensating Output Pulse Envelope (SCOPE) optimised biphasic escalating waveform compensates energy, slope and duration for patient impedance

Patient analysis system

Method: Evaluates patient's ECG, electrode contact integrity and patient impedance to determine if defibrillation is required

Sensitivity/Specificity: Meets IEC/EN 60601-2-4

Impedance range: 20-230 ohms

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: 0°C to 50°C (32°F to 122°F)

Transportation temperature: -10°C to 50°C (14°F to 122°F) for up to two days. If the device has been stored below 0°C (32°F), it should be returned to an ambient temperature of between 0°C to 50°C (32°F to 122°F) for at least 24 hours before use.

Relative humidity: 5% to 95% non-condensing

Enclosure: IEC/EN 60529 IP56

Altitude: 0 to 4 575 metres (0 to 15 000 feet)

Shock: MIL STD 810F Method 516.5, Procedure 1 (40 G's)

Vibration: MIL STD 810F Method 514.5, Procedure 1
Category 4 Truck Transportation – US Highways

Category 7
Aircraft – Jet 737 & General Aviation

EMC: IEC/EN 60601-1-2

Radiated emissions: IEC/EN 55011

Electrostatic discharge: IEC/EN 61000-4-2 (8 kV)

RF immunity: IEC/EN 61000-4-3 80MHz-2.5 GHz, (10 V/m)

Magnetic field immunity: IEC/EN 61000-4-8 (3 A/m)

Aircraft: RTCA/DO-160G, Section 21 (Category M)

RTCA/DO-227 (ETSO-C142a)

Falling height: 1 metre (3.3 feet)

Physical characteristics

With Pad-Pak inserted:

Size: 20 cm x 18.4 cm x 4.8 cm (8.0 in x 7.25 in x 1.9 in)

Weight: 1.1 kg (2.4 lb)

Accessories

Pad-Pak Electrode and Battery Cartridge

Shelf life/Standby life: See the expiration date on the Pad-Pak/Pediatric-Pak (4 years from manufacture date)

Weight: 0.2 kg (0.44 lb)

Size: 10 cm x 13.3 cm x 2.4 cm (3.93 in x 5.24 in x 0.94 in)

Battery type: Disposable single-use combined battery and defibrillation electrode cartridge (lithium manganese dioxide (LiMnO₂) 18V)

Battery capacity (new): > 60 shocks at 200J or 6 hours of continuous monitoring

Electrodes: Disposable defibrillation pads are supplied as standard with each device

Electrode placement: Anterior - lateral (Adult)

Anterior - posterior or Anterior - lateral (Pediatric)

Electrode active area: 100 cm² (15 in²)

Electrode cable length: 1 metre (3.3 feet)

Aircraft safety test (ETSO-certified Pad-Pak): RTCA/DO-227 (ETSO-C142a)

Data storage

Memory type: Internal memory

Memory storage: 90 minutes of ECG (full disclosure) and event/incident recording

Review: Custom USB data cable (optional) directly connected to PC with Saver EVO™ Windows®-based data review software

Materials used

Defibrillator housing: ABS, Santoprene

Electrodes: Hydrogel, Silver, Aluminium and Polyester

Warranty

AED: 8-year limited warranty




References

1. Walsh SJ, McClelland A, Owens CG, Allen J, McC Anderson J, Turner C, Adgey J. Efficacy of distinct energy delivery protocols comparing two biphasic defibrillators for cardiac arrest. Am J Cardiol. 2004;94:378-380.

For further information contact us at heartsinesupport@stryker.com or visit our website at heartsine.com.

EMEA/APAC

HeartSine Technologies, Ltd.
203 Airport Road West
Belfast, BT3 9ED
United Kingdom
Tel: +44 28 9093 9400
Fax: +44 28 9093 9401 



UL Classified. See complete marking on product.

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