

# HeartSine Samaritan® PAD 500P

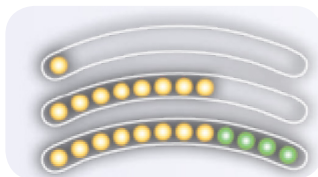


**The HeartSine samaritan PAD 500P Automated External Defibrillator (AED) with integrated CPR Advisor meets the needs of two key links in the chain of survival - CPR and Defibrillation.**

## Real-Time CPR Feedback

CPR Advisor detects the force and rate of CPR being applied via the defibrillator electrodes, without the addition of accelerometers (or pucks) commonly used in other AED solutions.

**Easy to follow visual and verbal guides.** The HeartSine samaritan PAD 500P uses easy to understand visual and voice prompts to guide the rescuer through the entire CPR process.



“No CPR being performed/Push harder”  
“Push faster”  
“Push slower”  
“Push harder”  
“Good compressions”

## 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.



**Paediatric-Pak™ also available** to ensure the appropriate energy level is delivered for children, between 1 and 8 years of age or up to 25 kg (55 lbs).



# HeartSine Samaritan® PAD 500P

**Designed for**  
greater CPR support.

**Saving a life has never been so simple.**



**Real time CPR Feedback**

Live CPR feedback - push faster, push slower, push harder and good compressions.



**Metronome and CPR coaching**

Sets an effective pace and audibly guides users, detecting and correcting technique as needed.



**HEARTSINE TOUGH™**

Highest IP56 rating offers unmatched ruggedness.



**Weight**

Lightest unit on the market at 1.1kg.



**Escalating energy**

Up to 200 Joules.



**Battery + electrode pad pak**

4 year shelf life.



**8 year warranty**

Backed by an 8 year warranty.



**Aircraft compliant**

ETSO certified.







# HeartSine Samaritan® PAD 500P

## Inclusions

## Additional Accessories



Carry case



Operating instructions manual



First responders kit



Order code: AED Wall Bracket CR2  
AED green wall bracket



Order code: DIRAEDA  
AED directional sign



Order code: 11516000025  
Battery & electrode pad-pak adult 4 year life



Order code: 147SM-1  
Alarmed cabinet



Order code: 3DAEDAR  
3D projection wall sign



Order code: 11516000026  
Battery & electrode pad-pak child

# HeartSine Samaritan® PAD 500P

## Specifications

### Physical With Pad-Pak Inserted

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

**Weight:** 1.1kg (2.4lbs)

### Defibrillator

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

**Warranty:** 8-year limited warranty

### Patient Analysis System

**Method:** Evaluates patient's ECG, signal quality, 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

### 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 80 MHz-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)

### Energy Selection

**Pad-Pak:** Shock1:150J; Shock2:150J; Shock3:200J

**Paediatric-Pak:** Shock1:50J; Shock2:50J; Shock3:50J

### Charging Time

**New Battery:** Typically 150J in < 8 seconds, 200J in < 12 seconds

### Event Recording

**Type:** Internal Memory

**Memory:** 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

**Housing:** ABS, Santoprene

**Electrodes:** Hydrogel, Silver, Aluminum and Polyester

### Pad-Pak – Electrode and Battery Cartridge

**Adult Pad-Pak (Pad-Pak-03) and Paediatric Pad-Pak (Pad-Pak-04)**

**\*ETSO-certified aviation Pad-Pak also available.**

**Shelf Life/Standby Life:** See the expiration date on the Pad-Pak/ Paediatric-Pak (4 years from manufacture date)

**Weight:** 0.2kg (0.44lbs)

**Size:** 10cm x 13.3cm x 2.4cm (3.93in x 5.24in x .94in)

**Battery Type:** Disposable single-use combined battery and defibrillation electrode cartridge (lithium manganese dioxide (LiMnO<sub>2</sub>) 18V)

**Battery Capacity (New):** > 60 shocks at 200J or 6 hours of continuous monitoring

**Electrodes:** HeartSine samaritan disposable defibrillation pads are supplied as standard with each device.

**Electrode Placement:** Anterior-lateral (Adult); Anterior-posterior or Anterior-lateral (Paediatric).

**Electrode Active Area:** 100 cm<sup>2</sup> (15 in<sup>2</sup>)

**Electrode Cable Length:** 1 metre (3.3 feet)

**Aircraft Safety Test (ETSO-certified Pad-Pak):**

RTCA/DO-227 (ETSO-C142a)

1. Valenzuela TD, et al. 2000. Outcomes of Rapid Defibrillation by Security Officers After Cardiac Arrest in Casinos. New England Journal of Medicine. 343:1206-09.
2. Mosesso Jr VN, et al. 2002. Proceedings of the National Center for Early Defibrillation Police AED Issues Forum. Prehospital Emergency Care. 6(3):273-82.
3. Walsh SJ, McClelland A, Owens CG, Allen J, McCanderson 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.



Simply Saving Lives

