

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 (LiMnO₂) 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 cm² (15 in²)

Electrode Cable Length: 1 metre (3.3 feet)

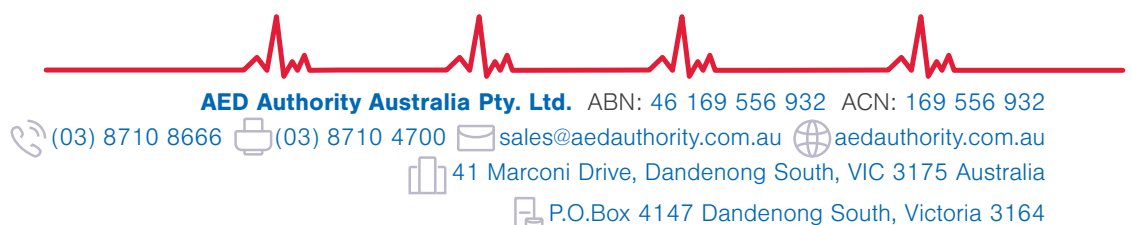
Aircraft Safety Test (ETSO-certified Pad-Pak):

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



AED Authority Australia Pty. Ltd. ABN: 46 169 556 932 ACN: 169 556 932

(03) 8710 8666 (03) 8710 4700 sales@aedauthority.com.au aedauthority.com.au

41 Marconi Drive, Dandenong South, VIC 3175 Australia

P.O.Box 4147 Dandenong South, Victoria 3164