



HEARTSINE

SAMARITAN® PAD 500P



A LIFESAVING COMBINATION

When every second counts, you need an AED you can rely on. In addition to delivering a lifesaving shock the HeartSine samaritan PAD 500P has all the advantages of the 350P with the addition of real time visual and verbal feedback on the rate of compressions to help first responders perform more effective CPR.

SEMI-AUTOMATIC

Simple straight forward operation with clear visual and voice prompts guide the rescuer through the entire resuscitation process, including easy to follow CPR guidance.

- 1 Turn on, pull green tab and attach electrodes to patient.



- 2 Device analyses heart rhythm and will prompt you to push the orange shock button if required.



REAL TIME CPR HELP

CPR coaching based on vital sign measurement.

The HeartSine samaritan PAD 500P measures changes in the patient's thorax to give rescuers real-time feedback on the rate of CPR compressions with audible "Good Compressions" or "Push Harder," "Push Faster" and "Push Slower." These instructions also are displayed on the face of the device in order to ensure the rescuer performs the most effective CPR.

Advanced technology.

SCOPE is HeartSine's proprietary biphasic technology, a low energy escalating waveform, automatically adjusts for differences in patient response to treatment when assessing rhythm and recommending defibrillation.

Easy to follow guidance.

Clear visual and voice prompts guide the rescuer through the entire resuscitation process, providing specific feedback on the force and rate of compressions.

Always ready.

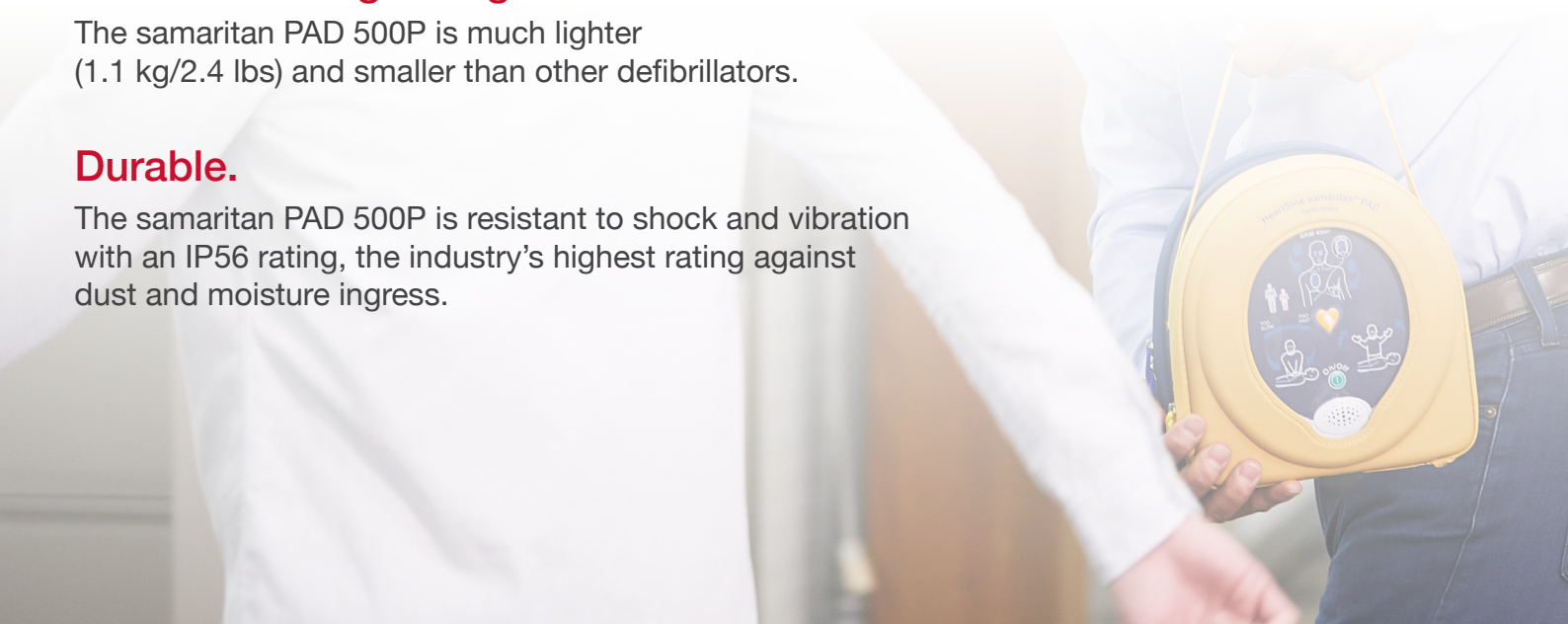
A System Status Ready Indicator flashes to show that the complete system is operational and ready for use. The device automatically runs self-check each week.

Portable and lightweight.

The samaritan PAD 500P is much lighter (1.1 kg/2.4 lbs) and smaller than other defibrillators.

Durable.

The samaritan PAD 500P is resistant to shock and vibration with an IP56 rating, the industry's highest rating against dust and moisture ingress.



EASY TO USE INNOVATION



CPR Advisor

CPR Advisor detects how effective CPR efforts are, gives feedback and instruction.



Highly portable

With the lightest weight and most compact footprint among leading AEDs, it's easy to transport and fit into constrained spaces.



Real-time CPR coaching

Easy-to-understand visual and voice prompts guide the responder through the entire resuscitation process, including CPR.



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

The Pad-Pak™ offers big savings over devices that need separate batteries and pads



Unique Paediatric-Pak

Ensures the guidelines-recommended energy level is delivered for children, between 1 and 8 years of age or up to 25 kg (55 lb).



Escalating energy

150, 150, 200J escalating shocks as needed.



Protection in challenging environments

Offers IP56 rating, one of the highest ratings in the industry.



8-year warranty

Backed by an 8-year warranty.

SPECIFICATIONS

Physical Including electrodes and battery:	
Height:	4.8 cm (1.9 in)
Width:	20 cm (8 in)
Depth:	18.4 cm (7.25 in)
Weight:	1.1 kg (2.4 lbs)

Defibrillator	
Waveform:	Self-Compensating Output Pulse Envelope (SCOPE™) optimised biphasic escalating waveform compensates energy, slope and duration for patient impedance.
Patient analysis 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)
Temporary 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)
Water Resistance:	IEC 60529/EN 60529 IP56
Altitude:	0 to 4,575 meters (0 – 15,000 feet)
Shock:	MIL STD 810F Method 516.5, Procedure I (40 G's)
Vibration:	MIL STD 810F Method 514.5+ Category 4 Truck Transportation – US Highways Category 7 Aircraft – Jet 737 & General Aviation (Exposure)
EMC:	EN 60601-1-2
Radiated Emissions:	EN55011
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 meter (3.5 feet)

Energy Selection	
Adult:	150J, 150J, 200J
Paediatric:	50J, 50J, 50J

Charging Time	
New Battery:	Typically 150J in < 8 seconds, 200J in < 12 seconds
After 6 Discharges:	Typically 150J in < 8 seconds, 200J in < 12 seconds

Data Storage	
Memory Type:	Internal memory.
ECG Storage:	90 minutes of ECG (full disclosure) and event/incident recording.
Communications:	Custom USB cable directly connected to PC and Saver EVO™ Windows-based data review software.

Materials	
Housing:	ABS, Santoprene. Printed circuit board with electronic components.
Electrodes:	Hydrogel, Silver, Aluminium and Polyester.

Pad-Pak – Electrode and Battery Cartridge	
Adult Pad-Pak (Pad-Pak-03) and Pediatric Pad-Pak (Pad-Pak-04)	
ETSO - certified aviation Pad-Pak also available	
Shelf Life:	4 years from manufacture date.
Weight:	0.2 kg (0.44 lbs)
Size:	10 cm x 13.3 cm x 2.4 cm (3.93 in x 5.24 in x .94 in)
Battery Type:	Lithium Manganese Dioxide (LiMnO2)
Capacity:	> 60 shocks at 200J 18V, 1.5 Amp Hrs
Electrodes:	HeartSine samaritan® disposable defibrillation pads are supplied as standard with each device.
Placement:	Anterior-lateral (Adult); Anterior-posterior or Anterior-lateral (Pediatric)
Active Gel Area:	100 cm ² (15.5 in ²)
Cable Length:	1 meter (3.5 feet)
Aircraft Safety Test (ETSO-certified Pad-Pak):	RTCA/DO-227 (ETSO-C142a)

ACCESSORIES



Adult Pad-Pak



Paediatric Pad-Pak



USB Data Cable



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