

HeartSine samaritan® PAD 500P with CPR Advisor

Defibtech Lifeline AED/Cintas Reviver Product Comparison



HeartSine samaritan® PAD 500P

Defibtech Lifeline AED/Cintas Reviver

✓ ICG-based CPR feedback

✗ No CPR feedback

✓ Compact, portable, lightweight (2.4 lbs/1.1 kg)

✗ Larger, heavier (4.2 lbs/1.9 kg)

✓ Highest level of protection from dust and moisture ingress in the industry (IP56)

✗ Lower water resistance rating (IP54)

✓ Integrated battery and electrodes

✗ Separate battery and electrodes

✓ 4-year electrode life

✗ 2-year electrode life

✓ One item to track and replace after use or upon expiration

✗ Three items to track and replace after use or upon expiration

✓ Charging time typically 150J in < 8 seconds, 200J in < 12 seconds

✗ Charging time typically 16.9 seconds

✓ 10-year warranty

✗ 8-year warranty

✓ 90-minute ECG recording time

✗ 20-minute ECG recording time

✓ Low escalating energy protocol (SCOPE)

✗ Fixed non-escalating energy protocol

✓ Operating impedance range of 25 – 230 ohms

✗ Operating impedance range of 25 –180 ohms

✓ Audible and visual prompts for ease of use in a noisy environment

✗ Audible prompts only

✓ Audible and visual metronome for CPR rate guidance

✗ No metronome or CPR guidance

✓ Carry case included

✗ No carry case included

✓ Automatic self test

✗ Automatic self test, requires 9V battery

✓ Pediatric compatible

✓ Pediatric compatible

✓ Field upgradeable to latest AHA/ERC guidelines

✓ Field upgradeable to latest AHA/ERC guidelines

✓ Lower total cost of ownership; acquisition and operating expense

**10-YEAR
WARRANTY**



Heartsine samaritan® PAD 500P Technical Overview



Physical	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 lbs) including Pad-Pak Battery

Defibrillator	
Waveform:	Self-Compensating Output Pulse Envelope (SCOPE) Biphasic waveform. Optimized biphasic escalating waveform compensates energy, slope and envelope for patient impedance

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 ISO 60601-2-4 and AAMI DF80

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. Unit must be returned to standby/operating temperature for 24 hours before use.
Relative Humidity:	5% to 95% (non-condensing)
Water Resistance:	IEC 60529/EN 60529 IP56
Altitude:	0 – 4,575 meters (0 to 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 RF Immunity:	EN61000-4-3 80MHZ-2.5GHZ (10 V/m)
Magnetic Field Immunity:	EN61000-4-8 (3 A/m)
Aircraft:	RTCA/DO-160F, Section 21 (Category M)
Falling Height:	1 meter (3.3 feet)

Energy Selection	
Adult:	Shock 1: 150J; Shock 2: 150J; Shock 3: 200J
Pediatric:	Shock 1: 50J; Shock 2: 50J; Shock 3: 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

Event Documentation	
Type:	Internal Memory
Memory Capacity:	90 minutes of ECG (full disclosure) and event/incident recording
Playback Capabilities:	Custom USB cable directly connected to PC and Saver™ EVO Windows-based data review software

Materials Used	
samaritan® PAD 500P:	ABS, Santoprene. Printed circuit board with electronic components.
Housing:	ABS – 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)	
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 (Pediatric)
Active Gel Area:	100 cm² (15.5 in²)
Cable Length:	1 meter (3.3 feet)

Lifesaving, Pure and Simple

U.S./Americas

HeartSine Technologies, Inc.
121 Friends Lane, Suite 400
Newtown, PA 18940
Toll Free: (866) 478 7463
Tel: +1 215 860 8100
Fax: +1 215 860 8192
info@heartsine.com

Europe/Rest of the World

HeartSine Technologies, Inc.
203 Airport Road West
Belfast, Northern Ireland BT3 9ED
Tel: +44 28 90 93 94 00
Fax: +44 28 90 93 94 01
info@heartsine.co.uk



The products described in this brochure all meet the applicable European Medical Directive requirements.

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