



HeartSine®

Inventor. Innovator. Lifesaver.

# samaritan® PAD 350P

## Public Access Defibrillator with CPR Coaching

### Compact, Easy-to-Use, Lifesaving Technology

Sudden Cardiac Arrest (SCA) is a leading cause of death globally. Response time is critical for survival. The samaritan® PAD 350P is designed especially for use in public areas by providing a sophisticated defibrillator for adult or pediatric use, inside a lightweight and easy-to-operate system.

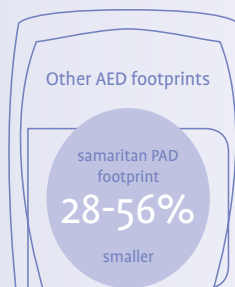


### Compact in Size, Long on Ability

**Portable and lightweight.** The samaritan PAD 350P is lighter (1.1 kg/2.4 lbs) and smaller than other defibrillators.

**Durable.** The samaritan PAD 350P resists shock and vibration and carries an IP56 Rating, the industry's highest rating against dust and moisture ingress. It also carries a ten year unit warranty.

**Advanced technology.** The samaritan PAD 350P utilizes proprietary electrode technology, advanced and stable firmware, and proprietary SCOPE™\* Biphasic technology (an escalating and low-energy waveform that automatically adjusts for patient impedance differences) to assess rhythm and recommend defibrillation if necessary.



Advanced technology balanced against the demands of real world use. At HeartSine, our innovation changes lives. And saves lives.

\*Self-Compensating Output Pulse Envelope (SCOPE) technology automatically compensates energy, slope and pulse envelope for the patient.

### Easy-to-Follow Visual and Verbal Guides

**User-friendly.** The samaritan PAD 350P features easy-to-understand visual and voice prompts that guide a user through the process including CPR coaching.

**Two-button operation.** Only two buttons, ON/OFF and SHOCK, are required for straightforward operation.

**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.



Visual cues prompt pad placement



Stand clear of the patient



Safe to touch the patient

### Real Economy for the Real World

**Two parts, one expiration date.** Pad-Pak™ cartridge combines battery and electrode pads, with one expiration date to monitor.

**Low cost of ownership.** With a shelf life of four years from date of manufacture, the Pad-Pak offers significant savings over other defibrillators that require separate battery and pad units.



**Pad-Pak and Pediatric-Pak with pre-attached electrodes.**

The HeartSine PAD's built-in intelligence and unique pediatric Pad-Pak ensure the appropriate energy level is delivered for children.



# 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

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 to 15,000 feet (0 – 4,575 meters)
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 (3.5 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 350P:	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 (3.5 feet)

## Lifesaving, Pure and Simple

Authorised Distributor

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



UL Classified. See complete marking on product.



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