

# samaritan<sup>®</sup> PAD 360P

## Fully Automatic Public Access Defibrillator

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

Sudden Cardiac Arrest (SCA) is a leading cause of death globally. As response time is critical for survival, the use of an AED can increase the survival rate from 5% to up to 70%, if used within the first few minutes of the SCA.

The samaritan<sup>®</sup> PAD family of public access defibrillators 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. Offering all the key features of the samaritan PAD products, the samaritan PAD 360P is a fully automatic defibrillator designed to analyse heart rhythm and automatically deliver a life-saving electrical shock (if needed). The SAM 360P also includes a motion detection feature to warn users of excessive or unexpected patient movement.

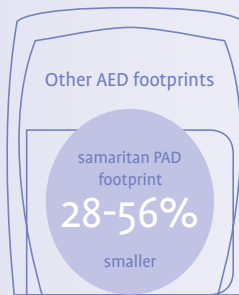


### Compact in Size, Long on Ability

**Portable and lightweight.** The samaritan PAD 360P is lighter (1.1 kg/2.4 lbs) and smaller than other defibrillators.

**Durable.** The samaritan PAD 360P resists shock and vibration and carries an IP56 Rating, the industry's highest rating against dust and water ingress. It also carries a ten year unit warranty.

**Advanced technology.** The samaritan PAD 360P 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 defibrillate if necessary.



Advanced technology balanced against the demands of real world use. At HeartSine<sup>®</sup>, 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 360P features easy-to-understand visual and voice prompts that guide a user through the process including CPR coaching.

**One-button operation.** The samaritan PAD 360P only has one button – ON/OFF, ensuring straightforward operation for all levels of rescuer.

**Automatic Shock Delivery.** After analysing heart rhythm, the samaritan PAD 360P will automatically deliver a shock (if needed), eliminating the need for the rescuer to push a shock button.

**Always ready.** A System Status Ready Indicator flashes to show that the complete system is operational and ready for use. The device automatically runs a 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 – 4,575 meters (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	
Housing:	ABS, Santoprene
Electrodes:	Hydrogel, Silver, Aluminum, Polyester

Pad-Pak — Electrode and Battery Cartridge	
Adult Pad-Pak* (Pad-Pak-03) and Pediatric Pad-Pak (Pad-Pak-04) * ETSO certified 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 (LiMnO <sub>2</sub> )
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 cm <sup>2</sup> (15.5 in <sup>2</sup> )
Cable Length:	1 meter (3.3 feet)

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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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H009-036-201-1 UK

Lifesaving, Pure and Simple



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