samaritan® 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® 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.

* 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.

**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.

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

### Physical

<table>
<thead>
<tr>
<th>With Pad-Pak™ Inserted</th>
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<tbody>
<tr>
<td><strong>Size:</strong></td>
<td>20 cm x 18.4 cm x 4.8 cm (8.0 in x 7.25 in x 1.9 in)</td>
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<tr>
<td><strong>Weight:</strong></td>
<td>1.1 kg (2.4 lbs) including Pad-Pak Battery</td>
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### 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

### Energy Selection

<table>
<thead>
<tr>
<th>Adult</th>
<th>Pediatric</th>
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### Charging Time

<table>
<thead>
<tr>
<th>New Battery</th>
<th>After 6 Discharges</th>
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<tr>
<td>Typically 150J in &lt; 8 seconds, 200J in &lt; 12 seconds</td>
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### 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

### 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 1 (40 G’s)

**Vibration:** MIL STD 810F Method 516.5 + 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)

### 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 (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) |