

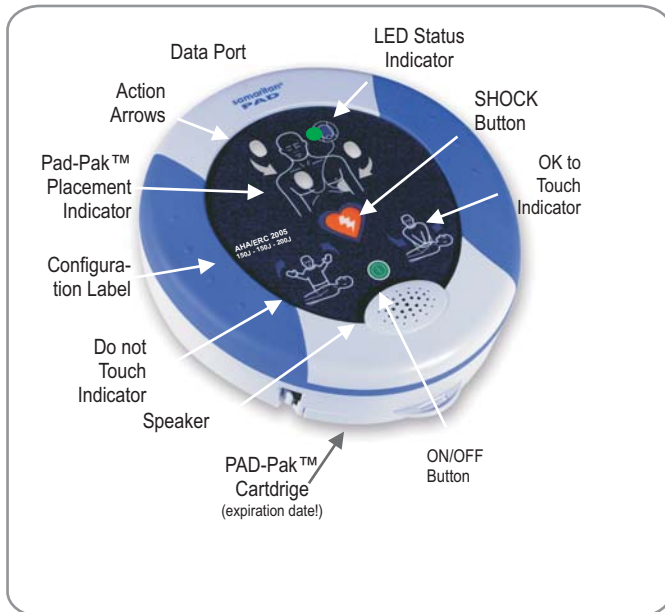


HeartSine™

samaritan® **PAD**  
TECHNICAL DATA SHEET



## SAMARITAN®PAD FEATURES



### DISPLAY

#### Visual Prompts:

Attach Pads, Stand Clear, Perform CPR, Shock Now, Self tests Pass - Ready State.

#### Indicators:

Low battery voice prompt, (at least 10 discharges remaining), audible prompt (alerts user of electrode disconnect), service icon stops flashing if self-tests fail, no battery, or when service required

#### Voice/icon prompts:

Extensive voice and icon prompts guide the user through the operation sequence

### PHYSICAL

Size: 8.0in x 7.25in x 1.9in (20cm x 18.4cm x 4.8cm)  
Weight: 2.4 lbs (1,1 kg) including Pad-Pak™ Battery

### DEFIBRILLATOR

Waveform: SCOPE® (self-compensating output pulse envelope) Biphasic waveform.  
Optimized biphasic waveform compensates energy, slope and envelope for patient impedance.

Energy Selection:

It is configureable with Saver™ SW. Pre-configured factory settings for escalating energy are

**Version AHA/ERC 2005**

|                    |                      |                      |                      |
|--------------------|----------------------|----------------------|----------------------|
| <b>ADULT</b>       | 1. Shock <b>150J</b> | 2. Shock <b>150J</b> | 3. Shock <b>200J</b> |
| <b>PAEDIATRIC*</b> | 1. Shock <b>50J</b>  | 2. Shock <b>50J</b>  | 3. Shock <b>66J</b>  |

**Version AHA/ERC 2000**

|                          |                      |                      |                      |
|--------------------------|----------------------|----------------------|----------------------|
| <b>ADULT</b>             | 1. Shock <b>150J</b> | 2. Shock <b>150J</b> | 3. Shock <b>200J</b> |
| <b>PAEDIATRIC READY*</b> | 1. Shock <b>150J</b> | 2. Shock <b>150J</b> | 3. Shock <b>200J</b> |
| <b>PAEDIATRIC*</b>       | 1. Shock <b>50J</b>  | 2. Shock <b>50J</b>  | 3. Shock <b>66J</b>  |

\*Not currently available. Ask ©Heartsine or your authorised distributor.

Charging Time:

**150J** in < **8** seconds. **200J** in < **12** seconds. **200J** from a SA message with new Pad-Pak™.

Controls:

Shock, On/Off.

**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 AAMI DF80:2003 requirements.

**ENVIRONMENTAL**

Operating Temp.:

0°C to 50°C (+32°F to +122°F)

Storage Temp.:

-10°C to 50°C (+14°F to +122°F)

Relative Humidity:

5% to 95% (non-condensing)

Water Resistance:

IEC 60529/EN 60529 IP44

Altitude:

0 to 15,000 feet (0 - 4,575 meters)

Shock:

MIL STD 810F Method 516.5, Procedure I (40G'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, Second Edition: 2001

Radiated Emissions:

CISPR11: 1997 +A1:1999+A2:2001 Group 1 Class B

Electrostatic Discharge Immunity.:

EN61000-4-2:1995 (8KV)+A1:1998+A2:2000

RF Immunity:

EN61000-4-3:1996, 80 MHz - 2.5 GHz, (10V/m)+A1:1998+A2:2000

Magnetic Field Immunity:

EN61000-4-8:1993 (3 A/m)+A1:2000

Aircraft:

RTCA/ DO - 160D: 1997, Section 21 (Category M)

**EVENT DOCUMENTATION**

Type:

Internal memory

Memory Capacity:

45 minutes of ECG (full disclosure) and event/incident recording.

Playback Capabilities:

Custom USB cable directly connected to PC and SAVER® windows-based data review software.

Combined electrode and battery cartridge.

**PAD-PAK™**

Shelf Life: Check Expiration Date (typically 3years from manufacture)  
Weight: 0.44 lbs (0.2kg)  
Size: 3.93in x 5.24in x .94in  
(10cm x 13.3cm x 2.4cm)

**BATTERY**

Type: Lithium Manganese Dioxide (LiMnO<sub>2</sub>)  
18V, 0.8 Amp Hrs  
Capacity: >30 shocks at 200J or 6 hours of continuous monitoring.

**ELECTRODES**

Standby Life: 3 year from manufacture  
Electrodes: Samaritan® disposable defibrillation pads  
are supplied as standard with each device.  
Placement: Anterior-lateral  
Active Gel Area: 100 cm<sup>2</sup>  
Cable Length: 3.5 ft (1m)



[www.SamaritanPAD.com](http://www.SamaritanPAD.com)