



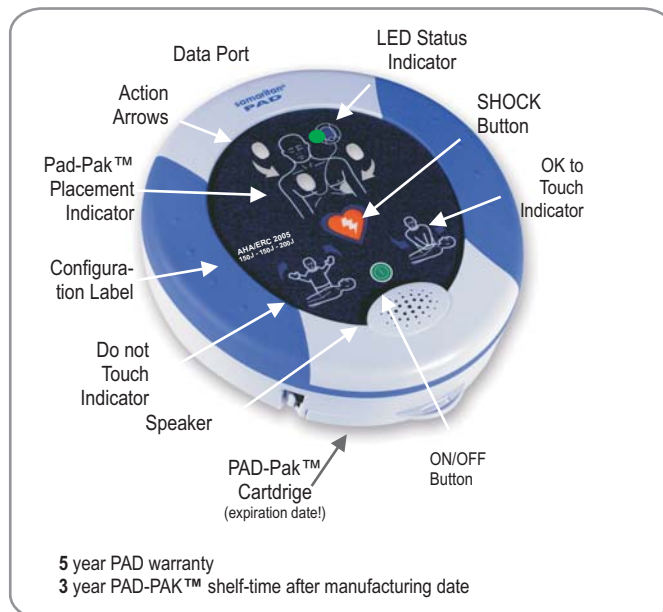
HeartSine™

samaritan® **PAD**
TECHNICAL DATA SHEET



HeartSine Technologies

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

Languages:

Contact HeartSine our your authorised HeartSine dealer.

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.

PAD TECHNICAL OVERVIEW

PAD TECHNICAL OVERVIEW

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

Version AHA/ERC 2005	ADULT	1. Shock 150J	2. Shock 150J	3. Shock 200J
	PAEDIATRIC*	1. Shock 50J	2. Shock 50J	3. Shock 66J

Version AHA/ERC 2000	ADULT	1. Shock 150J	2. Shock 150J	3. Shock 200J
	PAEDIATRIC READY*	1. Shock 150J	2. Shock 150J	3. Shock 200J
	PAEDIATRIC*	1. Shock 50J	2. Shock 50J	3. Shock 66J

*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 **IP56**
 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 +1A: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 (LiMnO₂)
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 cm²
Cable Length: 3.5 ft (1m)



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