



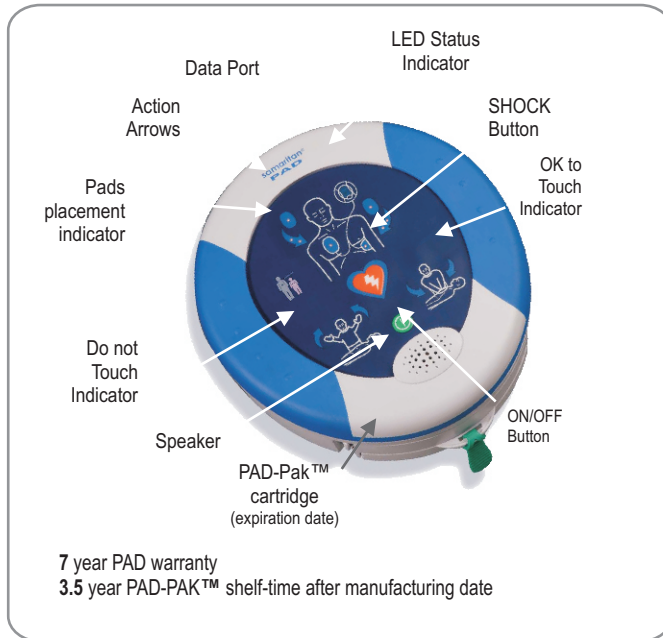
HeartSine®

samaritan® **PAD SAM300P**

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

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.

Energy Selection:

AHA/ERC 2005

Pre-configured factory settings for escalating energy are

ADULT

1. Shock **150J**

2. Shock **150J**

3. Shock **200J**

PAEDIATRIC

1. Shock **50J**

2. Shock **50J**

3. Shock **50J**

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)

Falling height:

1 meter

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™ EVO Windows based data review software.

MATERIALS USED

PAD SAM300P:

ABS, Santoprene. Printed circuit board with electronic components.

PAD CARTRIDGE:

Battery: Lithium Manganese Dioxide

Housing: ABS - Electrodes: Hydrogel, Silver, Aluminium and Polyester

Combined electrode and battery cartridge.

PAD-PAK™

Shelf Life: Combined Expiration Date (typically 3.5 years from manufacture)
Weight: 0.44 lbs (0.2kg)
Size: 3.93in x 5.24in x .94in
(10cm x 13.3cm x 2.4cm)

BATTERY

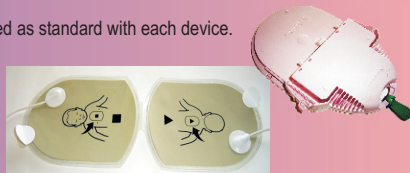
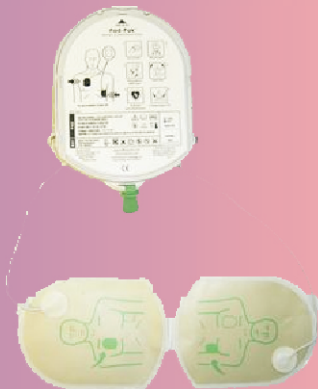
Type: Lithium Manganese Dioxide (LiMnO₂)
18V, 0.8 Amp Hrs
Capacity: >30 shocks at 200J or 6 hours of continuous monitoring.

ADULT ELECTRODES (PAD-PAK-01)

Standby Life: 3.5 year from manufacture date
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)

CHILDREN ELECTRODES (PAD-PAK-02)

Standby Life: 3.5 year from manufacture date
Electrodes: Samaritan® disposable defibrillation pads are supplied as standard with each device.
Placement: Anterior-Posterior
Active Gel Area: 100 cm²
Cable Length: 3.5 ft (1m)



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