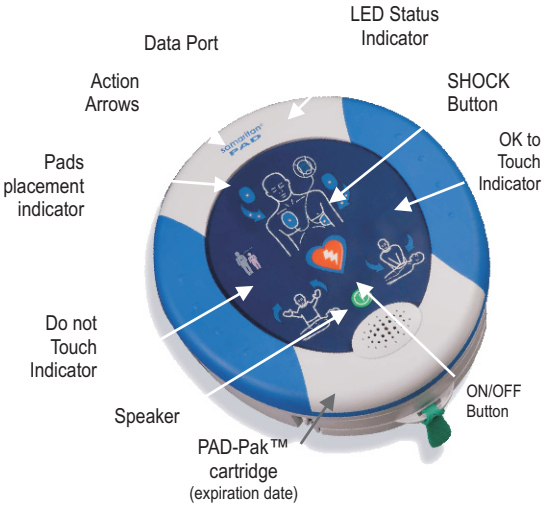
HeartSine®

samaritan® PAD SAM300P

TECHNICAL DATA SHEET

HeartSine Technologies

SAMARITAN® PAD FEATURES



7 year PAD warranty
3.5 year PAD-PAK™ shelf-time after manufacturing date

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:	Pre-configured factory settings for escalating energy are			
AHA/ERC 2005	**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 cartdrige.

PAD-PAK™

Shelf Life:	Check 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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