

samaritan® AED



HEARTSINE™
TECHNOLOGIES

*A history of innovation...
A future of lifesaving technologies.*



The Samaritan® AED's large, easy-to-read text instructions and extensive audio prompts guide the rescuer step-by-step through the resuscitation process. ECG display and manual override features provide advanced rescuers extended capabilities for emergency treatment.

Helping you... Help someone.

- **Easy-to-use**
1-2-3 operation
- **Easy-to-follow voice**
and text prompts
- **Always ready-for-use**
- **Auto self-test**
- **"Resus Ready"**
status indicator
- **Extended warranty**



Lightweight and rugged

The robust Samaritan® AED weighs only 1.9kg and is suitable for a range of environments: ambulances, hospitals, sports facilities, and public or corporate buildings.

Innovative SCOPE® Biphasic

The Samaritan® AED uses Self Compensating Output Pulse Envelope (SCOPE®). This provides optimum escalating energy delivery allowing for high defibrillation efficacy. The SCOPE® Biphasic waveform automatically compensates the energy, slope and pulse envelope for a wide range of patient resistances..

Basic and advanced features

For the first responder, the large message display and clear voice instructions easily guide rescuers. An optional manual override and ECG view provide additional control and information for trained medical professionals.

Intelli-Pak™ Battery

The Intelli-Pak™ battery will operate the samaritan® AED for 12 hours or provide over 120 shocks. Built into each patented Intelli-Pak™ battery is a continuous event data storage system. Information is recorded reliably into the Intelli-Pak™ battery, eliminating the possibility of lost or damaged datacards and patient information. With the Samaritan® AED and Intelli-Pak™ battery, there is no need to purchase and maintain multiple expensive separate datacards and batteries.



samaritan® AED



Intelli-Pak™



SDRU



Electrodes



Carrying Case



Wall Box

PHYSICAL

Size: 20.5cm H x 25.8cm W x 6cm D
(8.1in H x 10.2in W x 2.4in D)

Weight: 1.9kg (4.2lbs) including battery and 2 pairs of electrodes

DEFIBRILLATOR

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

Energy Selection: Pre-configured automated protocol (escalating from 100J, 150J, to 200J - user configurable). Manual override: 100J, 150J, 200J, and 230J.

Charge Time: 100J in less than 6 seconds, 200J in less than 10 seconds, with new non-rechargeable battery pack

Shock Cycle Time: <60 seconds for three analyze/shock cycles

Controls: On/Off, shock, manual override, display contrast and backlight LCD

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 DF 39 requirements.

DISPLAY


Display Type: High Resolution, LCD switchable backlight.

Display Size: 100 mm x 75.5 mm (4 in W x 3 in H)

ECG View Time: 3.8 seconds

Sweep Speed: 25 mm / sec.

Display Information: ECG waveform & heart rate (optional), shock counter, elapsed time, battery capacity gauge, CPR duration graph, energy select charge graph, test message prompts, data recording status icon.

Indicators: Low battery, (at least 10 discharges remaining), audible tone (alerts user of electrode disconnect), electrode connector LED, service icon shows  if self-tests fail, no battery, or when service required

Voice and text prompts: Extensive voice and text prompts guide the user through the operation sequence

Languages: English, German, French, Spanish, Portuguese, Dutch, Italian

ENVIRONMENTAL

Operating Temperature: 0° to 50° C (+32° to +122°F)

Storage Temperature: 0° to 60° C

Relative Humidity: 5% to 95% (non-condensing)

Water Resistance: IEC 60529/EN 60529 IP44

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

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
CISPR 11 Group 1, Level B
AAMI DF 39 EMC Requirements

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

EVENT DOCUMENTATION

Type: Intelli-Pak™ Battery with memory

Memory Capacity: 12 hours of ECG (full disclosure) and event/incident recording. Up to 60 mins audio recording.

Playback Capabilities: Samaritan® Data Recovery Unit and SAVER® windows-based data review software

INTELLI-PAK™ BATTERY PACK

Type: Lithium Manganese Dioxide (LiMnO2) 21V, 1.4 Amp Hrs

Capacity: 120 shocks at 200J or 12 hours of continuous monitoring with backlight on (typical)

Shelf Life: 5 years, 2 years standby life

Weight: 0.2kg (0.44 lbs)

SAMARITAN® DEFIBRILLATION ELECTRODES

Electrodes: Samaritan® disposable defibrillation electrodes are supplied as standard with each device. Standard placement (anterior-lateral).

Active Gel Area: 120 cm²

Cable Length: 100.7 cm (3.5 ft)

Adapters: Defibrillation electrode adapters are available for other defibrillators, enabling continuity of care

Shelf Life: 2 years



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