

# Saver One P<sup>®</sup>

the handy PRO AED

SAVER ONE P is a tough, small and lightweight Defibrillator easy to carry and use anywhere and able to act as an AED or a Manual Defibrillator or a Basic Cardiac Monitoring device.

## HIGHLY FLEXIBLE AND VERSATILE WITH ADVANCED CAPABILITIES

AED per default, reliable for any BLS rescuer, can be easily switched in a Manual Defibrillator giving to ALS responders the best decision-making control for a manual shock timing or an electric cardioversion (synchronised shock).

To meet ALS professionals, SAVER ONE P has been designed with all advanced key features to make fast and effective defibrillation everywhere and in any circumstance, even the hardest and has been equipped with a new widely manageable software program which gives users the total control of device to suit their needs.

Practical and flexible with Advanced PBLs feature enabling healthcare providers to use the 15:2 CV ratio when performing a Pediatric Basic Life Support, as required by Guidelines if more than one rescuer with a duty to respond.

Supreme graphical user interface and new tools to have **total control** of the defibrillator

Biphasic **escalating energy** from 50 to 360J

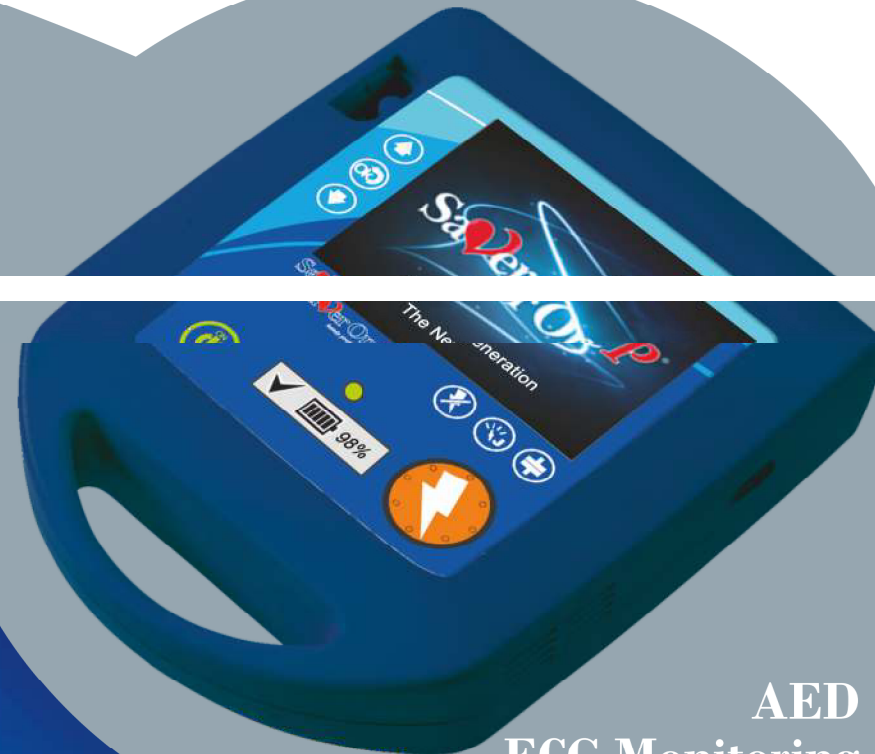
Slight yet solid with long-lasting battery options to ensure the **best outdoor and mobile use**

**Functionality guaranteed** by daily self-test

**Wider connectivity** with removable card, USB

and IrDA Port optional with Print Configuration  
Unique features combined with available configurations give rise to exclusive devices

Meet AHA/ERC 2010 Guidelines



## AED ECG Monitoring MANUAL Override

# Saver One P<sup>®</sup>

**Maintenance-Free:** Automatically performs daily, monthly and six-month extensive self-checks of all main components: battery, internal electronics, energy charge and disarm, shock and ECG calibration systems. Daily testing data are stored by the device as text file (named AED1LOG) easily readable by any computer. AED runs further tests after each battery insertion and every time device is turned on. A visual cue (green/red status indicator) provides effective alert to users whether AED is in working order and ready for a rescue.

**Service Mini-Screen:** In standby the mini LCD screen displays a check mark confirming AED is ready for use and a battery gauge informing about the residual charge. Will run error codes in faulty conditions.

**Entirely Discretionary:** 6 push-buttons allowing users to get the total control of defibrillator while in use: select the best modality, Manual Synchronous or Asynchronous or simply AED, to treat SCA according to events, take decision for shock anytime by choosing the right energy level to be delivered at each shock and get the device charged and ready to shock whenever needed or even disarm it in case defibrillation is not more required. After shocks, the heart rhythm rate can be watched over using the same defibrillation pads or, in case of longer monitoring, by connecting standard ECG electrodes to a separate optional reusable cable. Each step is conducted with the appropriate running features selected and set up in the device software by users.

**Adult / Child Capability:** Can be used on patients of any age with Adult or Pediatric proper electrodes. Device senses when Pediatric pads are installed and automatically adjusts to use a more appropriate lower energy level (50J).

### DEFIBRILLATOR

Operation: AED Semi-Automatic (default)  
ECG Monitoring  
Manual Asynchronous or Synchronous (used to convert atrial or ventricular tachyarrhythmias)

Energies: Standard max 200J or Power max 360J

Waveform: Adaptive BTE (biphasic truncated exponential) conforming to patient chest's impedance

Energy type: Escalating from 50 to 360J

AED Protocols: Adult Standard escalating 150, 200, 200J  
Adult Power escalating 200, 250, 360J  
Pediatric (Standard or Power) 50J fixed (AED adult shock protocols can be customized)

Manual Protocol: Selected by users from 50 to 360J. For electric cardioversions (in Synchronous mode) the shock is synchronised to occur with the R wave of the ECG.

Energy Display: Screen provides the energy to deliver both in Manual mode or in AED mode

Charging time: ≤9 seconds with a new and fully charged battery. Depleted battery will result in a longer charging time

Analysis time: EN 60601, from 4 to 15 seconds

Impedance: 20-200 ohms

Sensitivity: EN 60602-2-4 (AHADB, MITDB source), 97%

Specificity: EN 60602-2-4 (AHADB, MITDB source), 99%

Controls: ON/OFF, Shock button, 3 touch to surf the Menu, 3 keys for: select energy, charge device or disarm

Indicators: Status LED indicator informing on device condition  
Battery gauge with remaining capacity rate  
Audible alerts and text display with service alarms

Upgradeable: Can be upgraded in the field through a USB cable or a removable card whenever protocols change

### ECG MONITORING

Operation: Through defibrillation pads or standard ECG electrodes attached to a separate 2-Lead patient monitoring reusable cable SAV-C0017

ECG Size: Automatic gain controlled by the display

Heart Rate: 30-300 bpm

Sweep Speed: 25 mm/sec

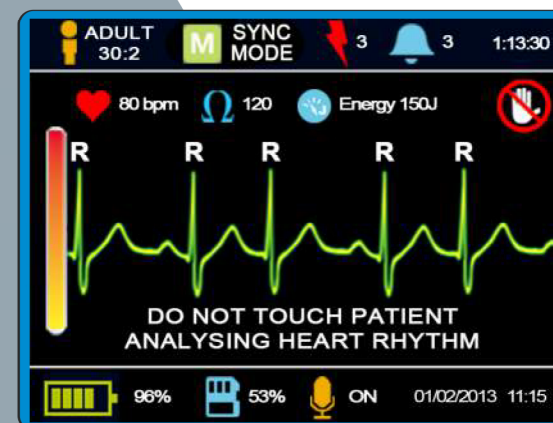
**5.1 11.1 COLOR Display**  
the most detailed and comprehensive screen provides valuable information to rescuers running text and interactive graphics in tandem with voice messages

### ABOUT DEVICE:

a **battery gauge** with residual capacity  
the indicator of **available memory** for recording  
a notice if the **microphone** is active or OFF  
the local **date and time**

### ABOUT RESCUE:

the adult or child **protocol in use**  
the **modality in use** (AED, ECG or Manual)  
the **fibrillation and shock counts**  
the elapsed **rescue time**  
the **heart rate** (bpm)  
the **impedance** (ohms)  
the **energy level** to be delivered (joule)  
a **touch/not touch** pictogram  
the **ECG waveform**  
the **R wave** detection in Manual Synchronous  
a **charging bar graph** if device charges  
a **CPR bar graph** and cycles countdown



### BATTERY OPTIONS

Type: Li-SOCI2 Disposable, code SAV-C0903

Autonomy: 250 complete rescue cycles (shocks at 200J and CPR) or 160 complete rescue cycles (shocks at 360J and CPR) or 24 hours ECG Monitoring for a new and fully charged battery (\*)

Shelf-Life: 8 years when stored in its original packaging (\*)

Standby-Life: 5 years once installed to AED, assuming one battery insertion test and daily self-tests but without switching AED on (\*)

Type: Li-Ion Accumulator (rechargeable), code SAV-C0011

Recharging time: 2,5 hours with the charger station code SAV-C0014 (\*)

Autonomy: 200 shocks at 200J or 110 shocks at 360J or 14 hours in ECG Monitoring for a new fully charged battery (\*)

Shelf-Life: 2,5 years or 300 charging cycles (\*)

### PADS OPTIONS

Type: Disposable, pre-gelled and self-adhesive

Adult: Preconnected code SAV-C0846 for patient >8 years or >25Kg  
81 cm<sup>2</sup> conductive surface

Pediatric: Code SAV-C0016 for patient from 1 to 8 years old or <25Kg  
31 cm<sup>2</sup> conductive surface

Cable length: 120 cm

Shelf-Life: 30 months

### EVENT RECORDING

Internal memory: 1Gbit (128 MB)

Memory capacity: 6 hours of audio, ECG and event

Optional memory: Removable SD card. Length of storage depends on card capacity: a 2GB card records up to 100 hours

Data recording: "AED1LOG" text file with detailed self-test activity  
"AEDFILES" with complete recorded events

Event review: "Saver View Express" data management software

### PHYSICAL

Size: 26,5 x 21,5 x 7,5 cm

Weight: 2,30 kg with disposable battery  
2,45 kg with rechargeable battery

### ENVIRONMENTAL

Operating temperature: 0° C to 55° C

Storage/Shipping temperature: -35° C to 60° C (without battery)

Humidity: 0% to 95% relative humidity non-condensing

Shock/Drop Abuse Endurance: IEC/EN 60601-1 clause 21; 1 meter drop, impact, force, rough handling, mobile tolerance

Electrostatic Discharge: EN 61000-4-2

Electromagnetic Compatibility: EN 60601-1-2; Emission, Immunity

Electrical Protection: EN 60601-1 class I type BF / CF

EC Directive: Class IIb

(\*) Temperature at 20° C

### MODEL NUMBERS

Code SVP-B0006: Standard Version with maximum energy at 200J

Code SVP-B0007: Power Version with maximum energy at 360J

### CONFIGURATION OPTIONS (Box Contents)

Conf-Norm: Standard Basic Configuration  
(adult pads, disposable battery, carrying case)

Conf-Rech: Rechargeable Configuration  
(adult pads, accumulator, charger station, carrying case)

Conf-Print: Print Ready Configuration  
(adult pads, disposable battery, carrying case, IrDA port and thermal printer)

Conf-Rech/Print: Rechargeable & Print Ready Configuration  
(adult pads, accumulator, charger station, carrying case, IrDA port and thermal printer)

6 YEARS WARRANTY

Manufactured in Italy

