

# SAVER ONE



## Technical data sheet

SAVER ONE P



AMI | ITALIA<sup>®</sup>

MEDICAL DEVICES

[www.amiitalia.com](http://www.amiitalia.com)

## DEFIBRILLATORS

<b>Operations:</b>	AED Semi-Automatic (default) ECG Monitoring Manual Asynchronous or Synchronous (used to convert atrial or ventricular tachyarrhythmia's)
<b>Energies:</b>	Standard max 200J or Power max 360J
<b>Waveform:</b>	Adaptive BTE (biphasic truncated exponential) conforming to patient chest's impedance Escalating from 50 to 360J
<b>Energy type:</b>	Adult Standard escalating 150, 200, 200J
<b>AED Protocols:</b>	Adult Power escalating 200, 250, 360J Paediatric (Standard or Power) 50J fixed (AED adult shock protocols can be customized)
<b>Manual Protocol:</b>	Selected by users from 50 to 360J. For electric cardioversion (in Synchronous mode) the shock is synchronised to occur with the R wave of the ECG
<b>Energy Display:</b>	Screen provides the energy to deliver both in Manual mode or AED mode
<b>Charging time:</b>	≤9 seconds with a new and fully charged battery
<b>Analysis time:</b>	IEC/EN 60601-2-4 from 4 to 15 seconds
<b>Impedance:</b>	20-200 ohms
<b>Sensitivity:</b>	IEC/EN 60601-2-4 (AHADB, MITDB source), 97%
<b>Specificity:</b>	IEC/EN 60601-2-4 (AHADB, MITDB source), 99%
<b>Controls:</b>	2 buttons: ON/OFF, shock button; 3 buttons: to surf the menu; 3 buttons: select energy, charge, disarm the device
<b>Indicators:</b>	Status LED indicator informing on device condition Battery gauge with remaining capacity rate Audible alerts and text display with service alarms
<b>Upgradeable:</b>	through a USB cable or memory card

## ECG MONITORING

<b>Operations:</b>	Through defibrillation pads or standard ECG electrodes attached to a separate 2-Lead patient monitoring reusable cable SAV-C0017
<b>ECG size:</b>	Manual setting through the menu
<b>Heart Rate:</b>	30-200 bpm
<b>Sweep Speed:</b>	25 mm/sec
<b>Standard:</b>	IEC/EN 60601-2-27 less than the points 202.6.2.101; 201.12.1.101.12.13; 208.6.6.2.101 not performed for the intended use of the device, as it is not intended for environments such as operating theatres or intensive care units
<b>Display:</b>	5,7" TFT colour, 640 x 480 pixel

## CONFIGURATION OPTIONS (BOX CONTENT)

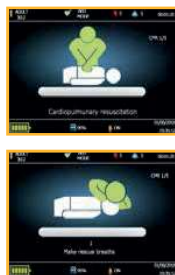
<b>Conf-Norm:</b>	Standard Basic Configuration (adult pads, non-rechargeable battery, carrying case)
<b>Conf-Rech:</b>	Rechargeable Configuration (adult pads, accumulator, charger station, carrying case)
<b>Conf-Print:</b>	Print Ready Configuration (adult pads, non-rechargeable battery, carrying case, IrDA port and thermal printer)
<b>Conf-Rech/Print:</b>	Rechargeable & Print Ready Configuration (adult pads, accumulator, charger station, carrying case, IrDA port and thermal printer)

## MODEL NUMBERS

Saver One P 200J (SVP-B0006) – Maximum deliverable energy 200J Standard opt. / Saver One P 360J (SVP-B0007) – Maximum deliverable energy 360J Standard opt.  
Saver One P 200J (SVP-B0006-U) - Max. deliverable energy 200J Univer. Face to Face PADS opt. / Saver One P 360J (SVP-B0007-U) - Max. deliverable energy 360J Univer. Face to Face PADS opt. / Saver One P 200J (SVP-B0006-Q) – Maximum deliverable energy 200J Q-CPR opt. / Saver One P 360J (SVP-B0007-Q) – Maximum deliverable energy 360J Q-CPR opt. / Saver One P 200J (SVP-B0006-U-Q) - Max. deliverable energy 200J Univer. Face to Face PADS and Q-CPR opt. / Saver One P 360J (SVP-B0007-U-Q) - Max. deliverable energy 360J Univer. Face to Face PADS and Q-CPR opt.

## 5.7" TFT COLOUR DISPLAY

DETAILED AND COMPREHENSIVE SCREEN PROVIDES VALUABLE INFORMATION TO RESCUERS; RUNNING TEXT AND GRAPHICS COMBINED WITH VOICE MESSAGE:



### ABOUT RESCUE

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



### ABOUT DEVICE

Battery gauge with residual capacity indicator of available memory for recording notice if the microphone is active or OFF local date, time and alarms.

### MANUAL SYNCHRONOUS

The shock is synchronized to occur with the R wave of the ECG

## PHYSICAL

<b>Size:</b>	26,5 x 21,5 x 7,5 cm
<b>Weight:</b>	2,08 kg with non-rechargeable battery 2,13 kg with rechargeable battery

## BATTERY OPTIONS

<b>Type:</b>	Non-Rechargeable, code SAV-C0904
<b>Autonomy:</b>	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 (*)
<b>Shelf-Life:</b>	when stored in original packaging 5 years (*)
<b>Battery-Life:</b>	4 years once installed to AED, assuming one battery insertion test and daily self-test but without switching AED on (*)
<b>Type:</b>	Accumulator, code SAV-C0011
<b>Recharging time:</b>	2,5 hours with the charger station code SAV-C0014 (*) (recommended to charge every 4 months at least)
<b>Autonomy:</b>	200 shocks at 200J or 110 shocks at 360J or 14 hours in ECG Monitoring for a new fully charged accumulator (*)
<b>Battery-Life:</b>	2 years or 300 charging cycles (*)

## PADS OPTIONS

<b>Type:</b>	Disposable, pre-gelled and self-adhesive
<b>Adult:</b>	Code SAV-C0846, for patient >8 years or >25 kg
<b>Paediatric:</b>	Code SAV-C0016, for patient <8 years or <25 kg
<b>Universal:</b>	Code SAV-C0599, Face to Face, for patient >1 year
<b>Cable length:</b>	120 cm
<b>Shelf-Life:</b>	24-30 months

## EVENT RECORDING

<b>Internal memory:</b>	up to 6 continuous hours of ECG and rescue events
<b>Optional memory:</b>	Removable SD card; length of storage depends on card capacity: a 2GB card records up to 100 hours
<b>Data recording:</b>	"AED1LOG" text file with detailed self-test activity "AEDFILES" with complete recorded information "SaverViewExpress" data manager software
<b>Event review:</b>	

## ENVIRONMENTAL SPECIFICATION

<b>Operating conditions:</b>	0°C to 55°C (32°F TO 131°F)
<b>Transient operating conditions:</b>	min. -20 °C (-4°F ) at least 20 min
<b>Storing/Shipping temperature:</b>	-40°C to 70°C (-40°F TO 158°F) without battery
<b>Humidity:</b>	10% to 95% relative humidity non condensing
<b>Sealing (IP Protection):</b>	IEC/EN 60529 class IP56; splash proof, dust protected
<b>Shock/Drop Endurance:</b>	IEC/EN 60601-1 (Compliant to 1m. Drop Test, impact, force, rough handling, mobile tolerance)
<b>Electrostatic Discharge:</b>	IEC/EN 61000-4-2
<b>Electromagnetic Compatibility:</b>	IEC/EN 60601-1-2 Emission, Immunity
<b>Electrical Protection:</b>	IEC/EN 60601-1; Internally Powered Type BF/CF
<b>Medical Device Regulation (EU) 2017/745</b>	Class III
(*) Temperature at 20°C Humidity 45% non-condensing	

