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WITHIN EVERYONE'S REACH!

The best portable AED (Automated External Defibrillator) conceived for a **quick and simple treatment** of the Sudden Cardiac Arrest (SCA) and to assist in delivering the Cardiopulmonary Resuscitation (CPR).

The Smarty Saver Series is AMI Italia latest defibrillators line that meets all the requirements of a modern AED: designed to reliable, simple and easy to use by anyone, whether they are trained or not.

Even in the best of circumstances, an emergency medical response cannot respond as quickly as a bystander with access to an AED. The **lightweight and portability**, thanks to the **folding handle**, the compactness and its **catchy look**, are conceived to meet the "gold standard" for early defibrillation in public large areas.

Last but not least, the **advanced electronic** guarantees the best functionality which you would expect from an average sized AED, although it's confined in a **very small case**.



KEY FEATURES:

- · Reduced dimensions (fitting an A4 sheet!)
- Practical folding handle
- Audio and visual signals for users
- Guidance through voice prompt and metronome
- Universal preconnected electrodes
- BTE waveform defibrillation with shocks ≤200J

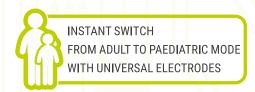
ADVANCED FEATURES:

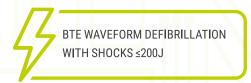
- · Smarty Saver Plus: CPR quality feedback in real time
- Smarty Saver Geo: CPR quality feedback in real time + access to Amisavercloud Platform











Compliant to latest ERC/AHA guidelines

The basic model of the Smarty Saver Series line, very affordable and easy to use.

Reliable and durable (1meter drop test - dustproof and waterproof resistance IP rate 56) capable of tackling challenges in various severe environments.

It can be easily operated by anyone in the medical field (e.g. ambulance, emergency room, etc.) and non-medical field too (e.g. public or private places).

It allows to deliver one or more defibrillating shocks on adult or paediatric patients affected by ventricular fibrillation or ventricular tachycardia, by means of a thorax impedance-compensated, biphasic truncated exponential discharge (BTE).

The **Semi-Automatic model** analyses the patient's ECG and if a shockable rhythm is detected it automatically starts charging the reservoir capacitor. The AED vocal message will suggest the operator to press the shock button to deliver the defibrillating shock.

The phase following the defibrillation, that is the Cardiopulmonary Resuscitation, will be guided by voice prompts and the metronome marking the various cycles of compressions and insufflations.

The **Fully Automatic model** instead, if a shockable rhythm is detected, will warn the user of the imminent shock delivery and after 5 seconds the defibrillating shock will be released automatically; the CPR phase will follow.

Smarty Saver **Fully Automatic Defibrillator**

Code: MISLA068-B



TECHNICAL DATA SHEET

DEFIBRILLATOR

Model:

Maximal energy: Waveform:

Discharge protocol:

Charging time from shock alert*:

Charging time from analysis time*:

Analysis time:

Impedance range: Sensitivity: Specificity: Controls: Semi-automatic model

Fully Automatic model

Light indicators:

Upgradeable:

PHYSICAL Size:

Weight:

EVENT RECORDING Optional external memory: Stored data:

"AEDFILE.aed"review:

detailed report of the activities of self-test and power-ups "AEDFILE.aed": ECG trace, rescue

events, voices and background audio Through data manager software "Saver View Express"

DEFIBRILLATION PADS

Type:

automatically adapts according to Dimensions

patient's impedance Adult: incremental

first shock 150J - subsequent 200J

Code SM1-B1001: Semi-Automatic

Code SM2-B1002: Fully Automatic

Biphasic truncated exponential (BTE)

Paediatric: fixed 50J

IFC60601-2-4

200J (nominal)

≤ 9 sec with shock at 150J ≤ 12 sec with shock at 200J

IEC60601-2-4

≤ 13 sec with shock at 150J ≤ 16 sec with shock at 200J IEC/EN 60601-2-4 from 4 to 15 seconds 20-200 Ohms 97% (IEC/EN 60601-2-4) 99% (IEC/EN 60601-2-4)

4 buttons: ON/OFF, shock delivery. patient selection (adult/child) 3 buttons: ON/OFF, patient selection (adult/child)

- Device status: 2 LEDs red /green

- PADs placement: 2 red LEDs - Do not touch the patient: 2 red LEDs

- Touch the patient: 1 green LED - Adult patient: 1 green LED

Paediatric patient: 1 green LED - ON/OFF button: 2 green LEDs Shock button: 8 red LEDs

200x213x71mm (folded handle)

257x213x71mm (open handle)

1,56 Kg (with battery and PADs)

Micro uSD/SDHC card up to 32GB

"AED1LOG txt": text file with

Through USB cable External memory card

*on a 50 Ohm patient and with a fully charged new battery

Shelf-life:

BATTERY Type:

> Voltage/capacity: Autonomy:

Stand by life:

Code SMT-C2001: Disposable, universal, pre-gelled, preconnected Code SMT-C2002: Disposable, universal, pre-gelled,

preconnected, Face-to-Face Total surface 136cm²; active surface 94cm2; 120cm cable length (external to the packaging) 24-30 months, as indicated on the

packaging

Code SMT-C14031:

Disposable battery 8 cells Li-MnO

12VDC-3000mAh

Up to 200 complete rescue cycles

(200J shocks + CPR);

Up to 36 hours of continuous ECG analysis*

Up to 3 years with a battery insertion test and daily self-test without any turning on the AED*

* performance referred to new batteries stored at a temperature of 20°C and relative humidity 45% without condensation

ENVIRONMENTAL SPECIFICATION

Operating temperature: Storing/Shipping temperature: Humidity:

Sealing (IP Protection): Shock/Drop Abuse Endurance: Electrostatic Discharges: Electromagnetic Compatibility: Protection from defibrillation:

Classification:

0°C to 45°C (32°F to 113°F)

-40°C to 70°C (-40°F to 158°F) 10% to 95%

relative humidity non condensing

IEC/EN 60529: class IP56

IEC/EN 60601-1 clause 21 IEC/EN 61000-4-2

IEC/EN 60601-1-2:2015

IEC/EN 60601-1;

device internally powered, Type BF Directive 93/42/CEE

Amd 2007/47/CE: Class IIb, Annex IX Rule 9



SMARTY SAVER PLUS REAL TIME CPR FEEDBACK







Compliant to latest ERC/AHA guidelines

The Smarty Saver Plus assists the operator for the correct execution of the cardiac massage, during the Cardiopulmonary Resuscitation, thanks to the external "CPR Quality" sensor.

The operator can count on a real-time support to carry out the CPR successfully.

The CPR Quality feedback device is designed to optimize the accomplishment of the Cardiopulmonary Resuscitation by providing simple and accurate responses to the rescuer, in real time! When switched on, this device will automatically be linked to the AED Smarty Saver Plus via Bluetooth; when positioned on the patient's chest, it will measure the depth and frequency of the compressions performed during the CPR and it will send this feedback to the Smarty Saver Plus device.

The 8 flashing LEDs bar located on the AED keyboard will report the accuracy of the compression's depth while the accustic metronome will mark the correct frequency of compression, along with the voice prompts.

The operator will be able to correct the intensity and the speed of compressions to optimize the CPR.



CPR QUALITY SENSOR & CPR QUALITY FEEDBACK

Smarty Saver Plus assists the operator in properly performing the cardiac massage, during the Cardiopulmonary Resuscitation, thanks to the external "CPR Quality" sensor.

This external device is, in fact, able to measure the depth and the frequency of the compressions performed and to send this feedback to the Smarty Saver Plus device via Bluetooth.

Thanks to the CPR Quality module, the operators can check:

- the correctness of the depth of the compressions they are performing, through the LED bar on the defibrillator's keyboard.
- the correct frequency/rhythm of compressions through the audio signals emitted by the AED



- Turn the module on by pushing the side ignition key
- · Place it on the patient's chest prior to start CPR
- Perform the compressions by checking their accuracy through the LED bar on the AED keyboard and with the support of the AED voice instructions



CPR QUALITY FEEDBACK

LED SCALE WITH PROGRESSIVE LIGHTING:









Smarty Saver **Fully Automatic Defibrillator**

Code: MISLA068-B



TECHNICAL DATA SHEET

DEFIBRILLATOR

Model:

Maximal energy: Waveform:

Discharge protocol:

Charging time from shock alert*:

Charging time from analysis time*:

Analysis time:

Impedance range: Sensitivity: Specificity: Controls: Semi-Automatic model

Fully Automatic model

Light indicators:

Upgradeable:

PHYSICAL Size:

Weight:

EVENT RECORDING Optional external Stored data:

"AEDFILE, aed" review:

Code SM3-B1003: Semi-Automatic Code SM4-B1004: Fully Automatic 200J (nominal) Biphasic truncated exponential (BTE)

automatically adapts

according to patient's impedance Adult: incremental

first 150J - subsequent 200J Paediatric: fixed 50J

IEC60601-2-4 ≤ 9 sec with shock at 150J ≤ 12 sec with shock at 200J

IEC60601-2-4 ≤ 13 sec with shock at 150J ≤ 16 sec with shock at 200J IEC/EN 60601-2-4 from 4 to 15 seconds 20-200 Ohms 97% (IEC/EN 60601-2-4) 99% (IEC/EN 60601-2-4)

4 buttons: ON/OFF, shock delivery, Patient selection (adult/child) 3 buttons: ON/OFF, patient selection (adult/child)

- Device status: 2 LEDs red/green

PADs placement: 2 red LEDs - Do not touch the patient: 2 red LEDs

Touch the patient: 1green LED - Adult patient: 1green LED

- Paediatric patient: 1green LED - ON/OFF button: 2 green LEDs Shock button: 8 red LEDs

CPR Quality feedback 8 LED bar: 2 red + 2 orange + 2 yellow + 2 green

- Q-CPR module connection: 1 green LED Through USB cable

External memory card *on a 50 Ohm patient and with a fully charged new battery **DEFIBRILLATION PADS** Type:

Code SMT-C2001: Disposable, universal, pre- gelled, preconnected

Code SMT-C2002: Disposable, universal, pre- gelled, preconnected, Face- to- Face

Total surface 136cm²; active surface 94cm²; 120cm cable

length (external to packaging) 24-30 months, as indicated on the Shelf-life:

packaging

BATTERY

Dimensions:

Code SMT-C14031: Disposable Type:

battery 8 cells Li- MnO₂ 12VDC-3000mAh Voltage/capacity: Up to 200 complete rescue Autonomy: cycles (200J shocks + CPR):

Up to 36 hours of continuous ECG analysis*

Up to 3 years with a battery Stand by life: insertion test and daily self-test without any turning on the AED*

*performance referred to new batteries stored at a temperature of 20°C and relative humidity 45% without condensation

ENVIRONMENTAL SPECIFICATION 0°C to 45°C (32°F to 113°F)

Operating temperature: Storing/Shipping

temperature:

Humidity:

Sealing (IP Protection): Shock/Drop

Abuse Endurance: Electrostatic Discharges:

Electromagnetic Compatibility: Protection from

Classification:

defibrillation:

IEC/EN 60601-1 clause 21 IEC/EN 61000-4-2

IEC/EN 60529: class IP56

- 40°C to 70°C (- 40°F to 158°F)

relative humidity non condensing

10% to 95%

IEC/EN 60601-1-2:2015

IEC/EN 60601-1;

device internally powered, Type BF

Directive 93/42/CEE Amd 2007/47/CE: Class IIb,

Annex IX Rule 9

200x213x71mm (folded handle) Q-CPR EXTERNAL MODULE 257x213x71mm (open handle)

1,62 Kg (with battery and PADs)

Description:

compliance:

Code SMT-C14034

External module to support quality CPR paired with the AED via Bluetooth; Class I

Weight and Dimension: 95 x 60 x 13mm; 50gr Compression guidance:

According to AHA/ERC guidelines for both adult and paediatric patients Ignition key ON/OFF

Green flashing LED: Bluetooth signal search

Green fix LED: Bluetooth connection active

Directive 2014/53/UE- RED

Code: SMT-C14035 Battery Coin LiMnO

3 VDC / 1Ah

up to 2 hours in continued use Autonomy Radio Equipment

"AED1LOG txt": text file with Controls and light icons: detailed report of self- test

activities and power ups "AEDFILE aed": ECG trace, rescue events, voices and background

Micro uSD/SDHC card up to 32GB

Through data manager softwa<mark>re</mark>

Battery: Type "Saver View Express" Voltage/capacity



SMARTY SAVER GEO CPR QUALITY AND GEO SYSTEM



Compliant to latest ERC/AHA guidelines







In addition to the Q-CPR module, the Smarty Saver Geo is equipped also with a SIM card and a GPS/GPRS system; the GPRS system allows the Smarty Saver Geo to transmit and receive data through the mobile phone network, while the GPS system enables the tracking of the AED movements. This info is sent by the device to the Amisavercloud Platform, which is conceived to monitor and control multiple AEDs remotely through any web browser and internet connected device. Among the info and data sent to the platform, such as position and current status of the AED, the device can also transmit the ECG in real time.

Hence a professional operator will be able to view and examine the ECG, real time, remotely on the Amisavercloud Platform just while the ECG is being performed on the patient.

Finally, through the dedicated "Vivo" button located on the keyboard the operator will be free to call the local EMS straight away, directly from the AED!

These features make the Smarty Saver Geo very suitable for the use in moving vehicles such as trains, buses and ambulances.

The device is powered with two independent batteries - one to supply the proper AED functions and another one to supply the additional Geo system functions - in order to preserve the primary use of the device as automatic external defibrillator.



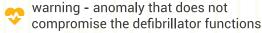
GEO SYSTEM: REAL TIME AED MANAGEMENT

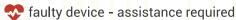
All the functions can be managed remotely, by any device, through the Amisavercloud Platform:

TELEMETRY

Smarty Saver Geo connects to the portal daily, sending a log that contains detailed information on its status; this will be shown on the map with a coloured icon. In case of anomaly, the Amisavercloud will notify the authorized user by SMS or e- mail (customizable alert).









The platform can show:

• AED location: the exact position will be identifiable on the map.

• AED movements (self-tracking function): the AED journey will be visible on the map; if the "anti-theft" function is on the user will be notified by SMS/e-mail every time the AED is moved.

REMOTE ASSISTANCE - STREAMING ECG

The AED is able to transmit the ECG in real time; this can be consultable in streaming by any web connected device, via the Amisavercloud Portal. In addition, all ECGs sent will be saved in the portal and made available for subsequent consultations.



"VIVO" BUTTON FOR LIVE CALLS

The operator can promptly call the local EMS by pressing the dedicated button on the AED keyboard. According to the local regulation, three telephone numbers can be set up to automatically attempt multiple calls, until a feedback is finally received.





Smarty Saver **Fully Automatic Defibrillator**

Code: MISLA068-B



TECHNICAL DATA SHEET

DEFIBRILLATOR

Model:

Maximal energy: Waveform:

Discharge protocol:

Charging time from shock alert *:

Charging time from analysis time*:

Analysis time:

Impedance range: Sensitivity: Specificity: Controls:

Semi- Automatic model

Fully Automatic model

Light indicators:

Code SM5-B1005: Semi- utomatic Code SM6-B1006: Fully Automatic 200J (nominal)

Biphasic truncated exponential (BTE) automatically adapts according to

patient's impedance Adult: incremental

first 150J - subsequent 200J Paediatric: fixed 50J

IFC60601-2-4 ≤ 9 sec with shock at 150J ≤ 12 sec with shock at 200J

IFC60601-2-4

≤ 13 sec with shock at 150J ≤ 16 sec with shock at 200J IEC/EN 60601-2-4 from 4 to 15 seconds 20- 200 Ohms 97% (IEC/EN 60601-2-4) 99% (IEC/EN 60601-2-4)

6 buttons: ON/OFF, shock delivery, patient selection (adult/child), live call, ECG streaming 5 buttons: ON/OFF, patient selection (adult/child), live call, ECG streaming

- Device status: 2 LEDs red/green - PADs placement: 2 red LEDs

Do not touch the patient: 2 red LEDs

Touch the patient: 1 green LED Adult patient: 1 green LED

Paediatric patient: 1 green LED ON/OFF button: 2 green LEDs Shock button: 8 red LEDs

CPR Quality feedback 8 LED bar: 2 red + 2 orange + 2 yellow + 2 green Q-CPR module connection:

1 green fixed LED

- ECG streaming: 1 green blinking LED Through USB cable

200x213x71mm (folded handle)

Micro uSD/SDHC card up to 32GB

257x213x71mm (open handle)

1,70 Kg (with battery and defibrillation PADs)

External memory card, remotely

*on a 50 Ohm patient and with a fully charged new battery

PHYSICAL

Upgradeable:

Weight:

EVENT RECORDING Optional external memory:

Stored data:

"AED1LOG.txt": text file with detailed report of self- test activities and power ups "AEDFILE.aed": ECG trace, rescue events, voices and background audio Through data manager software

"Saver View Express"

"AEDFILE,aed" review:

DEFIBRILLATION PADS

Type:

Dimensions

Code SMT-C2001: Disposable, universal, pre- gelled, preconnected Code SMT-C2002: Disposable, universal, pre- gelled, preconnected, Face- to- Face

Total surface 136cm²; active surface 94cm²; 120cm cable length (external to packaging)

Shelf-life: 24-30 months, as indicated

on the packaging

BATTERY

Code SMT-C14032: Type:

Disposable battery 8 cells Li-MnO Ah 12VDC- 3000mAh Voltage/Capacity:

Up to 200 complete rescue cycles Autonomy:

(200J shocks + CPR);

Up to 36 hours of continuous

ECG analysis*

Up to 3 years with a battery Stand by life: insertion test and daily self-test

without any turning on the AED*

* performance referred to new batteries stored at a temperature of 20°C and relative humidity 45% without condensation

ENVIRONMENTAL SPECIFICATION

Operating temperature: 0°C to 45°C (32°F to 113°F)

Storing/Shipping temperature:

Humidity:

- 40°C to 70°C (- 40°F to 158°F) 10% to 95%

IEC/EN 60601- 1-2:2015

IEC/EN 61000-4-2

relative humidity non condensing

Sealing (IP Protection): IEC/EN 60529: class IP56 Shock/Drop Abuse Endurance: IEC/EN 60601-1 clause 21

Electrostatic Discharges: Electromagnetic

Compatibility: Protection from defibrillation:

IEC/EN 60601-1;

device internally powered, Type BF Directive 93/42/CEE Classification:

Amd 2007/47/CE: Class IIb, Annex IX Rule 9

Q-CPR EXTERNAL MODULE

Description: Code SMT-C14034

External module to support quality CPR paired with the AED via Bluetooth;

Class

95 x 60 x 13mm; 50gr Weight and Dimension:

According to AHA/ERC guidelines Compression guidance: for both adult and paediatric patients Ignition key ON/OFF Green flashing LED:

Controls and light icons:

Bluetooth signal search Green fix LED: Bluetooth connection active

Code: SMT- C14035 Battery Coin LiMnO₂ 3 VDC / 1Ah

 Voltage/capacity up to 2 hours in continued use Autonomy

Radio Equipment Directive 2014/53/UE- RED compliance:

GEOLOC MODULE

GSM: 850, 900, 1800, 1900MHz; Frequency:

UMTS: 900, 2100MHz; GPS: 1575, 1600MHZ

Battery: Type

Battery:

Contained in SMT-C14032;

3 cells Li- SOCl₂; 10,8 VDC- 3500 mAh Voltage/capacity Geo-location, remote control of the Performance:

device, live call, ECG streaming Radio Equipment

RED-Directive 2014/53/UE compliance: