

TECHNICAL DATA SHEET

DEFIBRILLATION PADS

Type:	Code SMT-C2001: Disposable, universal, pre-gelled, preconnected
Shelf-life:	4 years, as indicated on the packaging
Type:	Code SMT-C2002: Disposable, universal, pre-gelled, preconnected, Face-to-Face
Shelf-life:	44-48 months, as indicated on the packaging
Dimensions:	Total surface 136cm ² , active surface 94cm ² ; 120cm cable length (external to the packaging)

DEFIBRILLATOR

Model:	Code SM1-B1001: Semi-Automatic Code SM3-B1003: Semi-Automatic Code SM4-B1004: Fully-Automatic
Maximal Energy:	Biphasic truncated exponential (BTE) automatically adapts according to patient's impedance
Waveform:	Adult: incremental first shock 150J - subsequent 200J Paediatric: fixed 50J
Discharge protocol:	
Charging time from shock alert*:	IEC/EN 60601-2-4 ≤ 9 sec with shock at 150J ≤ 12 sec with shock at 200J
Charging time from analysis time*:	IEC/EN 60601-2-4 ≤ 13 sec with shock at 150J ≤ 16 sec with shock at 200J IEC/EN 60601-2-4
Analysis time:	from 4 to 15 seconds
Impedance range:	20-200 Ohms
Sensitivity:	97% (IEC/EN 60601-2-4)
Specificity:	99% (IEC/EN 60601-2-4)
Controls:	
Semi-automatic model	4 buttons: ON/OFF, shock delivery, patient selection (adult/child) selection
Fully Automatic model	3 buttons: ON/OFF, patient (adult/child)
Light indicators:	- 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
Upgradeable:	- Shock button: 8 red LEDs Through USB cable External memory card

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

PHYSICAL

Size:	200x213x71mm (folded handle) 257x213x71mm (open handle)
Weight:	1,56 Kg (with battery and PADS)

EVENT RECORDING

Optional external memory:	Micro uSD/SDHC card up to 32GB
Stored data:	"AED1LOG.txt": text file with detailed report of the activities of self-test and power-ups "AEDFILE.aed": ECG trace, rescue events, voices and background audio
"AEDFILE.aed" review:	Through data manager software "SaverViewExpress"

BATTERY OPTIONS

Type:	Code SMT-C14031
Voltage/capacity:	12VDC-3000mAh
Autonomy:	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*
Stand by life:	
Type:	Code SMT-C14033
Voltage/capacity:	12VDC-5600mAh
Autonomy:	Up to 350 complete rescue cycles (200J shocks + CPR); Up to 100 hours of continuous ECG analysis* Up to 4 years with a battery insertion test and daily self-test without any turning on the AED*
Stand by life:	

* 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:	-40°C to 70°C (-40°F to 158°F)
Humidity:	10% to 95% relative humidity without condensation
Sealing (IP Protection):	IEC/EN 60529: class IP56
Shock/Drop Endurance:	IEC/EN 60601-1 (compliant to 1 m. Drop Test)
Electrostatic Discharges:	IEC/EN 61000-4-2
Electromagnetic Compatibility:	IEC/EN 60601-1-2:2015
Protection from defibrillation:	IEC/EN 60601-1;
Classification:	device internally powered, Type BF MDR (EU) 2017/745 Class III, Annex VIII, Rule 22

TECHNICAL DATA SHEET

SMARTY SAVERPLUS REAL TIME CPR FEEDBACK



Compliant to latest ERC/AHA guidelines

**CPR QUALITY
SENSOR DEVICE**

**CPR QUALITY FEEDBACK
LED SCALE**

The SMARTY SaverPlus 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 sensor 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 SaverPlus 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 SaverPlus device.

The 8 flashing LEDs bar located on the AED keyboard will report the accuracy of the compression's depth while the acoustic 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.

SMARTY[®]
SAVERSERIES

CPR QUALITY SENSOR & CPR QUALITY FEEDBACK

SMARTY SaverPlus 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 SaverPlus 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



CPR QUALITY SENSOR

- 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:



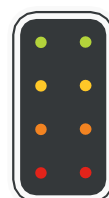
INSUFFICIENT
OR EXCESSIVE
PRESSURE



NOT ENOUGH
PRESSURE



ALMOST
SUFFICIENT
PRESSURE



CORRECT
PRESSURE

