

# TECHNICAL DATA SHEET



**REDUCED DIMENSIONS  
& INTUITIVE USE**



**INSTANT SWITCH  
ADULT/CHILD MODE**



**FULLY AUTOMATIC  
OR SEMI-AUTOMATIC  
OPERATION**



**IP 56 DUST/ WATER  
RESISTANCE**



**FAST SHOCK  
ADMINISTRATION  
9 SECONDS**

**SMARCLY<sup>®</sup>  
SAVER SERIES**

## TECHNICAL DATA SHEET

### DEFIBRILLATOR

<b>Model:</b>	Code SM1-B1001: Semi-Automatic Code SM2-B1002: Fully Automatic
<b>Maximal Energy:</b>	200J (nominal)
<b>Waveform:</b>	Biphasic truncated exponential (BTE) automatically adapts according to patient's impedance
<b>Discharge protocol:</b>	Adult: incremental first shock 150J - subsequent 200J Paediatric: fixed 50J
<b>Charging time from shock alert*:</b>	IEC/EN 60601-2-4 ≤ 9 sec with shock at 150J ≤ 12 sec with shock at 200J
<b>Charging time from analysis time*:</b>	IEC/EN 60601-2-4 ≤ 13 sec with shock at 150J ≤ 16 sec with shock at 200J
<b>Analysis time:</b>	IEC/EN 60601-2-4 from 4 to 15 seconds
<b>Impedance range:</b>	20-200 Ohms
<b>Sensitivity:</b>	97% (IEC/EN 60601-2-4)
<b>Specificity:</b>	99% (IEC/EN 60601-2-4)
<b>Controls:</b>	
<b>Semi-automatic model</b>	4 buttons: ON/OFF, shock delivery, patient selection (adult/child)
<b>Fully Automatic model</b>	3 buttons: ON/OFF, patient selection (adult/child)
<b>Light indicators:</b>	- 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
<b>Upgradeable:</b>	Through USB cable External memory card

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

### PHYSICAL

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

### EVENT RECORDING

<b>Optional external memory:</b>	Micro uSD/SDHC card up to 32GB
<b>Stored data:</b>	"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
<b>"AEDFILE.aed" review:</b>	Through data manager software "SaverViewExpress"

### DEFIBRILLATION PADS

<b>Type:</b>	Code SMT-C2001: Disposable, universal, pre-gelled, preconnected
<b>Shelf-life:</b>	4 years, as indicated on the packaging
<b>Type:</b>	Code SMT-C2002: Disposable, universal, pre-gelled, preconnected, Face-to-Face
<b>Shelf-life:</b>	24 months, as indicated on the packaging
<b>Dimensions:</b>	Total surface 136cm <sup>2</sup> ; active surface 94cm <sup>2</sup> ; 120cm cable length (external to the packaging)

### BATTERY OPTIONS

<b>Type:</b>	Code SMT-C14031
<b>Voltage/capacity:</b>	12VDC-3000mAh
<b>Autonomy:</b>	Up to 200 complete rescue cycles (200J shocks + CPR); Up to 36 hours of continuous ECG analysis*
<b>Stand by life:</b>	Up to 3 years with a battery insertion test and daily self-test without any turning on the AED*
<b>Type:</b>	Code SMT-C14033
<b>Voltage/capacity:</b>	12VDC-5600mAh
<b>Autonomy:</b>	Up to 350 complete rescue cycles (200J shocks + CPR); Up to 100 hours of continuous ECG analysis*
<b>Stand by life:</b>	Up to 4 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

<b>Operating temperature:</b>	0°C to 45°C (32°F to 113°F)
<b>Storing/Shipping temperature:</b>	-40°C to 70°C (-40°F to 158°F)
<b>Humidity:</b>	10% to 95% relative humidity without condensation
<b>Sealing (IP Protection):</b>	IEC/EN 60529: class IP56
<b>Shock/Drop Endurance:</b>	IEC/EN 60601-1 (compliant to 1 m. Drop Test)
<b>Electrostatic Discharges:</b>	IEC/EN 61000-4-2
<b>Electromagnetic Compatibility:</b>	IEC/EN 60601-1-2:2015
<b>Protection from defibrillation:</b>	IEC/EN 60601-1; device internally powered, Type BF
<b>Classification:</b>	MDR (EU) 2017/745 Class III, Annex VIII, Rule 22