

TECHNICAL DATA SHEET

DEFIBRILLATOR

Model:	Code SM1-B1001: Semi-Automatic Code SM2-B1002: Fully Automatic
Maximal Energy:	200J (nominal)
Waveform:	Biphasic truncated exponential (BTE) automatically adapts according to patient's impedance
Discharge protocol:	Adult: incremental first shock 150J - subsequent 200J Paediatric: fixed 50J
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
Analysis time:	IEC/EN 60601-2-4 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)
Fully Automatic model	3 buttons: ON/OFF, patient selection (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 - Shock button: 8 red LEDs
Upgradeable:	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"

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:	24 months, as indicated on the packaging
Dimensions:	Total surface 136cm ² ; active surface 94cm ² ; 120cm cable length (external to the packaging)

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

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; device internally powered, Type BF
Classification:	MDR (EU) 2017/745 Class III, Annex VIII, Rule 22