

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*:	IEC60601-2-4
	≤ 9 sec with shock at 150J
	≤ 12 sec with shock at 200J
Charging time from analysis time*:	IEC60601-2-4
	≤ 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
<i>*on a 50 Ohm patient and with a fully charged new battery</i>	
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
	“Saver View Express“

DEFIBRILLATION PADS	
Type:	Code SMT-C2001: Disposable, universal, pre-gelled, preconnected
	Code SMT-C2002: Disposable, universal, pre-gelled, preconnected, Face-to-Face
Dimensions:	Total surface 136cm ² ; active surface 94cm ² ; 120cm cable length (external to the packaging)
Shelf-life:	24-30 months, as indicated on the packaging
BATTERY	
Type:	Code SMT-C14031: Disposable battery 8 cells Li-MnO ₂ ;
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 *
<i>* Performance referred to new batteries stored at a temperature of 20°C and relative humidity 45% without condensation</i>	
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 non condensing
Sealing (IP Protection):	IEC/EN 60529: class IP56
Shock/Drop Abuse Endurance:	IEC/EN 60601-1 clause 21
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:	Directive 93/42/CEE Amd 2007/47/CE: Class IIb, Annex IX Rule 9