



PROXIMITY OF STARKER AED7000 v2 CAN SAVE LIVES

All clinical studies demonstrate this : during a sudden cardiac arrest, the speed of intervention increases the chances of life of the patient: Starker is accessible to the general public without prior training. Companies, public places, collective and sports arenas, cafés, hotels, restaurants, campgrounds, ambulances, and family houses.

Starker provides first aid, in case of sudden heart attack, waiting for the arrival of the rescue, after having called emergency number **112**.

These few minutes are vital.



STARKER AED7000 v2

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With integrated electrocardiogram (ECG) and color LCD display, Starker's analytical technique integrates the patient's cardiac rhythm, physical condition, determines whether defibrillation is necessary, and strength, reducing the risk of injury. Starker guides the user with a clear voice in English, to perform the step-by-step procedure. It ensures that the treatment is performed correctly while protecting the operator.

Starker distinguishes between ventricular and other tachycardia. Correctly connected to a patient, even unconscious, with very little breathing, Starker analyzes, pronounces audio instructions, determines whether a shock situation is necessary, prepares the load and rhythms heart massage by beeps.

Its "intuitive and user-friendly" mode of operation makes it very efficient. Delivered with a simple instructions in English,



STARKER AED7000 v2

Very light (1,5 Kg), smaller than A4 sheet, in its ergonomic and resistant carrying case, Starker comes with :

2 pairs of single connector electrodes (one adult + one pediatric), self-adhesive and pre-gelled, of low impedance, Starker can treat all patients.

Its lithium battery supplied, guaranteed 5 years from its start, delivers up to 120 shocks at 150 joules.



STARKER DAE 7000 v2	
Dimensions	220 x 170 x 70 mm
Weight	1.5 kg
Auto-Test System	Several times a day
ENERGY SEQUENCE	
- Adult	100, 150, 200J
- Pediatric energy reducer	50% à 25 Ω
- Energy attenuation factor	25% à 50Ω et 75Ω
	20% à 100Ω et 125Ω
	15% à 150Ω et 175Ω
DEFIBRILLATOR	
- Waveform	Bi-phasic Truncated exponential
CHARGING TIME	
- New Battery	Typically 150 J in less than 8 seconds, 200 J in less than 10 seconds
- After six discharges	Typically 150 J in less than 8 seconds, 200 J in less than 12 seconds
PATIENT ANALYSIS SYSTEM 9 sec	
- Method	Evaluate the patient's ECG, signal quality, electrode contact integrity, and patient impedance to determine whether degradation is necessary
- Specificity	Complies with ISO 60601-2-4
DOCUMENTATION OF EVENT	
- Data System	Internal memory SD Card
- Memory capacity	280 minutes of ECG and event / incident recording and 15 minutes sound record
- Reading and transmission	Inside SD Card to be connected to PC
ENVIRONMENT	
- Operating temperature	0° C to 40° C (+32° F to +104° F)
- Temporary transport temperature	-20° C to 55° C (-4° F to +131° F) up to two days. The unit must be returned to standby / use temperature for 24 hours before use
- Relative humidity	30 % at 95 % (non-condensing)
- Waterproofness	IEC 60529 / EN 60529 > IP56
- Altitude	-30 to +3 600 meters (-100 à +11 800 FEET)
- Shock	IEC 68-2-27; 100G
- Vibration	MIL Std. 810F T
- EMC	EN 60601-1-2 and EN60601-2-4
- Radiated Emissions	RF emissions CISPR 11
- Protection against electrostatic discharge RF	EN61000-4-3 80MHZ-2.5GHZ (20 V / m)
- Protection against distortion of the magnetic field	EN61000-4-8 (3 A / m)
- Fall height	1 meter (3.3 ft)
USED MATERIALS	
- Cockpit	ABS + plexiglass
- Pads	Hydrogel, silver, aluminum, polyester
PADS ADULTS (EDC-2035-MB) - PEDIATRICS (EDC-P235-MB) CERTIFIED CE	
- Duration of storage	2 years from date of manufacture
- Weight	0,2 kg (0,44 pounds)
- Size	105 mm x 155 mm x 2,4 mm (4,13 in x 6,10 in x 0,94 in)
- Pads positions	Antero-lateral (adults) ; Antero-posterior (kids)
- Active gel zone	8,3 cm ² (12,9 inch)
- Cable length	120 cm (3,9 ft)
NON RECHARGEABLE BATTERY 15V D.c 2.8Ah	
- MSD	Non dangerous certificate CR123A-5X2
- B Type	Lithium-Manganese-Dioxide (LiMnO2)
- Capacity	>100 shocks to 200J
- Garanty	5 years from battery plugged

STANDARDS	APPLICATIONS
EN ISO13485:2012	Medical devices - Quality management systems Requirements for regulatory purposes
EN ISO14971:2012	Medical devices - Application of risk management to medical devices
EN 980:2008	Symbols for use in the labelling of medical devices
EN 1041:2008	Medical devices - Information supplied by manufacturer
EN 60601-1:2006/A1:2013	Medical electrical equipment Part 1: General requirements for basic safety and essential performance
EN 60601-1-2:2007/AC:2010	Medical electrical equipment - Part 1-2 : General requirements for basic safety and essential performance Collateral Standard : Electromagnetic compatibility requirements and tests
EN 60601-1-6:2010	Medical electrical equipment - Part 1-6 : General requirements for basic safety and essential performance- Collateral Standard: Usability
EN 60601-2-4:2010	Medical electrical equipment - Part 2-4 : Particular requirements for the safety of cardiac defibrillators
EN ISO10993-1:2009/AC:2010	Biological evaluation of medical devices - Part 1: Evaluation and testing within a risk management process
EN 62304:2006/A1:2008	Medical device software - Software life-cycle processes
EN 60601-1-8:2007/AC:2010	Medical electrical equipment - Part 1-8 : General requirements for basic safety and essential performance - Collateral Standard : General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems
IEC 60601-1-12:2014	Medical electrical equipment - Part 1-12 : General requirements for basic safety and essential performance - Collateral Standard : Requirements for medical electrical equipment and medical electrical systems intended for use in the emergency medical services environment

