PRIMEDIC™. We live intelligent medical technology.

As an international pioneer in the field of emergency medicine, we have combined our outstanding expertise with tried and tested technologies and the latest clinical studies to support the development, production and sales of our professional and Automatic External Defibrillators under the PRIMEDIC[™] brand.

PRIMEDIC™. Saves Life. Everywhere.

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EVERY SECOND COUNTS -THE NEW AUTOMATIC DEFIBRILLATOR HEARTSAVE AS FOR FIRST AIDERS. Statement in succession in which the

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STREET, CONSISTING IN A LIFE-GIVING INNOVATION FROM PRIMEDIC™. STATE DESCRIPTION



PRIMEDIC Saves Life. Everywhere.

Sudden cardiac arrest – every second counts!

Sudden cardiac arrests are caused by life-threatening fibrillation. And it can happen anytime and anywhere: at home, at work, out on the playing field. Initial care for the patient includes cardio pulmonary resuscitation, but on its own, it is not enough to stop fibrillation. It can only be halted through

early defibrillation, that is, treatment using a controlled impulse that is delivered automatically by the HeartSave AS if needed, which can ensure survival.



The new automatic aid for all emergency situations. Saves lives. On the move. Fast.

There is no way of preventing the onset of a sudden cardiac arrest. But the consequences can be catastrophic. The sufferer only has a few precious minutes left for a chance of survival.

The new technology developed by PRIMEDIC[™] means even fewer steps for first aiders: this is because the HeartSave AS device automatically delivers an electric shock – preceded by an audible warning – if the defibrillator detects life-threatening fibrillation. The technical advance: there's no need to press the shock button.

In an emergency, all first aiders need to do is perform cardio pulmonary resuscitation and apply the HeartSave AS device's extremely easy-to-use, pre-plugged SavePads (electrodes). Then easy-to-understand spoken instructions guide first aid personnel step-by-step through the rescue procedure. The new generation AED from PRIMEDIC[™]: The automatic HeartSave AS adds another dimension to the PRIMEDIC[™] range of Automatic External Defibrillators

- Using an Automatic External Defibrillator greatly increases the chances of surviving life-threatening fibrillation.
- The HeartSave AS device is easy to use: only two steps are needed to save a life (open the device and apply electrodes).
- When life-threatening fibrillation is detected, HeartSave AS automatically delivers an electric shock preceded by a warning.
- \checkmark There's no need to press the shock button.
- The rescue procedure is outlined by readily understandable spoken instructions in two languages (a choice of national language plus English) in line with the new ERC Guidelines 2010 and clear display symbols.



Defibrillation		
Impulse shape	Biphasic, current regulated (CCD) external	•
Energy (140-360J according to patient impedance)		•
Charge time (max, Energy 360J)	12 s ± 3 s	•
Analysis time	7 – 12 s	•
Asystole threshold	<200 µV	•
Artefact detection		•
Pacemaker detection		•
ECG		
Derivation	Einthoven II	•
Patient resistance	23 – 200 Ohm	•
Heart rate	30-300 per min	
Disposable electrodes		
Adhesive electrodes (hands free)		•
Electrode connection	Pre-connected	•
Shelf life	24 months	•
Cable length	1.5 m	•
Active electrode surface	$164 \text{ cm}^2 \text{ overall}$	•
Storage conditions		•
	0.0	
Data management		•
Removable memory	CE-Card	•
Data/voice recording	data and voice recording (2GB)	
Pood out software		
Read out software		
Power supply		
Model	LiMnO	
Voltage	15 V	•
capacity (nominal)	2.8 Ah	•
Shelf life time	6 years	•
Discharges/shocks	200 @3601	•
Discharges/shocks	200 60000	
Environmental conditions		
	0°C 50°C (30, 95% rel. humidity without condensation	
Operating conditions	700 1060 hPa)	•
	0° C 55°C (30, 95% rel. humidity without condensation	
	700 1060 hPa)	
	-20° C $\pm 70^{\circ}$ C (30 95% rel. humidity without condensation	
Storage conditions	500 1060 hPa)	•
Resuscitation guidelines		
AHA		•
FRC		•
Approval		
	IEC60601-1-1988+A1-1991+A2-1995 (electrical safety of	
Standards	med. electrical devices)	
	IEC60601-1-2:2001 (EMC-Standard)	•
	IEC60601-1-4:1996+A1:1999 (programmable electrical	•
	medical systems)	
	EV1789-2003 (Ambulance standard)	
Protection class		
Dimensions		
Height x Width x Dopth	25 cm x 28 cm x 9 cm	
Weight without nower supply		
Weight with power supply		•
(Battery 6)	Арргох. 2,5 кg	•

Technical and structural aspects subject to change