

SO THAT LIFE CAN GO ON

AN AUTOMATED DEFIBRILLATOR TURNS
LAYPEOPLE INTO LIFESAVERS.
EVERYWHERE!

HeartSave
PAD, AED, AS



LIFE

DEATH



A DECISION FOR LIFE



WHEN EVERY MINUTE COUNTS, PRIMEDIC™ DEFIBRILLATORS CAN HELP HEARTS STOP MISSING ANOTHER BEAT. EVERYWHERE AND EVERY TIME! AND THE FACT THAT THEY CAN BE USED QUICKLY IS OF DECISIVE IMPORTANCE.

AN EXCELLENT REPUTATION WORLDWIDE

Mature and safe technology, straightforward operation, high quality and absolute reliability under extreme conditions: these are the unique attributes of PRIMEDIC™ defibrillators. All over the world, these robust devices have a reputation amongst emergency medical services for meeting the highest safety standards and being ready to use quickly.

DECADES OF EXPERIENCE

We have been providing medical technology services and manufacturing professional and automatic defibrillators of excellent quality for both professionals and laypeople for 40 years. In close cooperation with hospitals, universities and practical users, we strive to develop new technologies to progressively develop our devices.

SAFETY DELIVERED BY A CURRENT-CONTROLLED DEFIBRILLATION IMPULSE

As an immediate life-saving measure, the Heart-Save can secure survival in the decisive minutes prior to the arrival of the emergency services. It all depends on these first few minutes: after five minutes, the patient's chances of survival has already fallen to less than 50%. You simply cannot go wrong! The device only initiates defibrillation when ventricular fibrillation is actually verified.

PRIMEDIC™. Saves Life. Everywhere.

SUDDEN CARDIAC ARREST – EVERY SECOND COUNTS!

300,000 PEOPLE DIE FROM HEART FAILURE EVERY YEAR

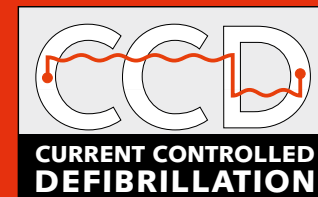
In Europe, approximately 300,000 people are the victims of sudden cardiac death every year. It is consequently the leading cause of death – ahead of both cancer and strokes. This figure could be significantly reduced if public facilities, fitness studios, care homes, companies, training institutes and private households were equipped with automatic defibrillators (PAD, AED, AS). If help is not provided immediately, sudden cardiac death can occur within minutes.

VENTRICULAR FIBRILLATION CAN AFFECT ANYONE

Ventricular fibrillation can be the cause of sudden cardiac death in early life or even occur without warning at any time. Not enough is known about some of the scientific reasons behind it. Initial care for the patient includes cardiopulmonary resuscitation (CPR). However, this alone will not stop ventricular fibrillation. Ventricular fibrillation can only be effectively stopped by prompt defibrillation – in other words, a current-controlled defibrillation impulse from what is known as an automated external defibrillator (AED).

GENTLE AND SAFE FOR THE HEART MUSCLE

Biphasic defibrillation technology in the PRIMEDIC™ HeartSave device range is gentle on the patient's heart muscle. The impulse output stage generates an individualised, gentle, effective and current-controlled defibrillation impulse, without damaging current peaks.



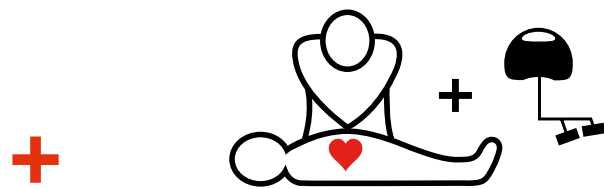
EARLY DEFIBRILLATION INCREASES CHANCES OF SURVIVAL

FAST ACTION SAVES LIVES

In conjunction with immediate cardiopulmonary resuscitation, there is only one way of stopping ventricular fibrillation and ensuring the patient's survival: prompt defibrillation. It has been proven that a patient's chance of survival falls by 10% – 12% per minute.

EASY FOR LAYPEOPLE TO USE

A patient's chances of survival decrease with every passing minute. That's why we have developed our defibrillators for first aiders with laypeople in mind. You can provide professional assistance without any medical training in just a few simple steps. You can't go wrong: the device only initiates defibrillation when ventricular fibrillation is actually verified. Simple voice prompts safely guide the first aider through the rescue procedure.



CHANCES OF SURVIVAL*

100–70%

IF DEFIBRILLATION WITHIN
3 MINUTES



70–50%

IF DEFIBRILLATION WITHIN
3–5 MINUTES



< 50%

IF DEFIBRILLATION WITHIN
5–10 MINUTES



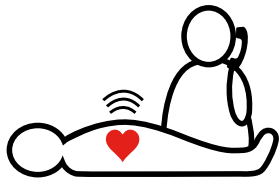
RESUSCITATION GUIDELINE ACCORDING TO ERC 2010

1



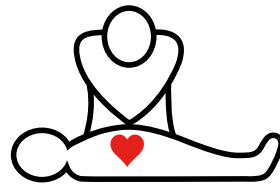
UNCONSCIOUS
PERSON

2



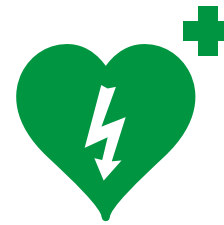
MAKE AN
EMERGENCY CALL

3



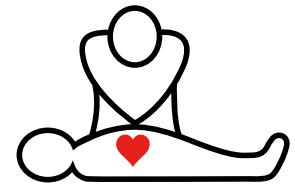
30 COMPRESSIONS :
2 RESCUE BREATHS

4



FETCH / SEND FOR
AED

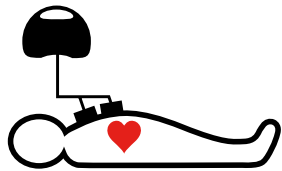
5



30 COMPRESSIONS :
2 RESCUE BREATHS

CONTINUE 30:2 UNTIL
AED IS AVAILABLE

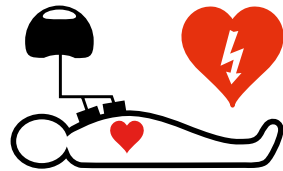
6



OPEN AED
AND PLACE
ELECTRODES
DIRECTLY ON THE
CHEST

FOLLOW AED
INSTRUCTIONS

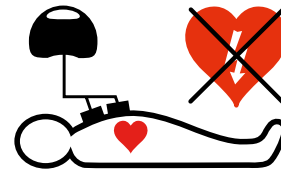
7



SHOCK ADVISED

1 SHOCK

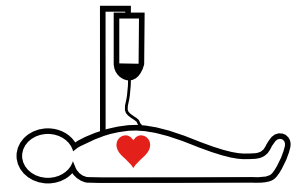
2 MINUTES OF 30:2
RESUSCITATION
STRAIGHT AWAY



SHOCK NOT ADVISED

2 MINUTES OF 30:2
RESUSCITATION
STRAIGHT AWAY

8



CONTINUE UNTIL
EMERGENCY HELP
ARRIVES!

SEMI-AUTOMATIC HeartSave PAD

1 SPEAKER

Simple and intuitive thanks to clear voice prompts (monolingual) and a metronome to pace chest compressions throughout the entire defibrillation process.

2 PEDIATRIC BUTTON

Pediatric defibrillation according to Metrax GmbH pediatric ECG database.

3 SHOCK BUTTON

Once analysis is complete and the device has been cleared for use, defibrillation is triggered by pressing the shock button.

4 CONNECTOR SOCKET

Connection point for pre-connected electrode cable.

5 STATUS DISPLAY

The active status display informs the user about the usability of the device and battery. Automatic self-tests are performed every day.

6 BATTERY COMPARTMENT AND ACCESS TO SaveCard

Easy release to replace battery (3 year lifespan) and access to SaveCard. The device automatically stores all resuscitation data on the SaveCard.



SEMI-AUTOMATIC HeartSave AED

1

SPEAKER

Simple and intuitive thanks to clear voice prompts (4 languages) and a metronome to pace chest compressions throughout the entire defibrillation process.

2

PEDIATRIC BUTTON

Pediatric defibrillation according Metrax GmbH pediatric ECG database.

3

SHOCK BUTTON

Once analysis is complete and the device has been cleared for use, defibrillation is triggered by pressing the shock button.

4

CONNECTOR SOCKET

Connection point for pre-connected electrode cable.

5

STATUS DISPLAY

The active status display informs the user about the usability of the device and battery. Automatic self-tests are performed every day.

6

BATTERY COMPARTMENT AND ACCESS TO SaveCard

Easy release to replace battery (6 year lifespan) and access to SaveCard. The device automatically stores all resuscitation data on the SaveCard.

7

LANGUAGE SELECTION

User instructions are available in 4 languages.



FULLY AUTOMATED HeartSave AS

1

SPEAKER

Simple and intuitive thanks to clear voice prompts (multilingual) and a metronome to pace chest compressions throughout the entire defibrillation process.

2

PEDIATRIC BUTTON

Pediatric defibrillation according to Metrax GmbH pediatric ECG database.

3

AUTOMATIC SHOCK DELIVERY

Instead of a shock button, a warning will appear on the defibrillator telling the user not to touch the patient.

4

CONNECTOR SOCKET

Connection point for pre-connected electrode cable.

5

STATUS DISPLAY

The active status display informs the user about the usability of the device and battery. Automatic self-tests are performed every day.

6

BATTERY COMPARTMENT AND ACCESS TO SaveCard

Easy release to replace battery (6 year lifespan) and access to SaveCard. The device automatically stores all resuscitation data on the SaveCard.

7

LANGUAGE SELECTION

User instructions are available in 4 languages.



THE HeartSave SERIES KEY ADVANTAGES AT A GLANCE

HeartSave SPEAKS YOUR LANGUAGE

Clear voice prompts safely guide you through the rescue procedure and are available in a range of 40 different languages.

HeartSave IS FAST

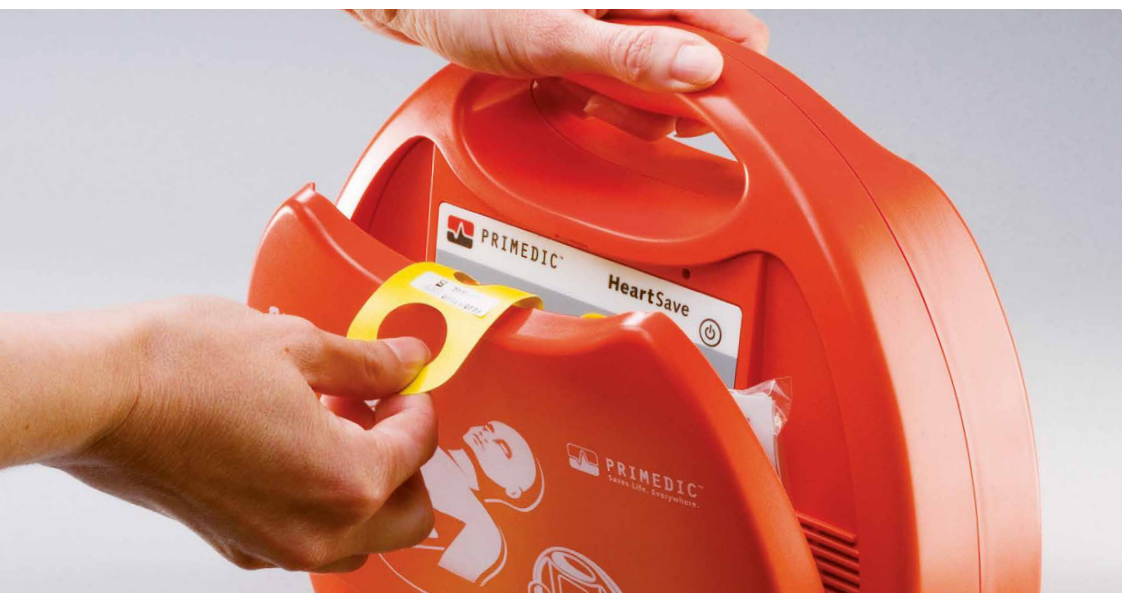
The device turns on automatically as soon as the cover has been removed, and rhythm analysis starts immediately.

HeartSave IS RELIABLE

Clear, intuitive user interface, routine self-tests, protection against splash water and dust (IP55) and salt fog, extremely robust.

HeartSave IS SAFE

- ▶ **Thanks to sophisticated CCD technology from PRIMEDIC™**
Defibrillation can be individually adjusted and is safe for the heart muscle.
- ▶ **Thanks to efficient data management**
All relevant data (ECG, buttons pressed, defibrillations) is recorded and is immediately visible using the read-out software (AED, AS, optional with PAD).
- ▶ **Thanks to its update capability**
Software updates are easy to install via the SaveCard (memory card).
- ▶ **Thanks to clear status information**
The active status display provides up-to-date information on the usability of the device and battery.
- ▶ **Thanks to a long battery life**
High-performance lithium batteries are guaranteed to last 3 (PAD) to 6 (AED, AS) years.



Want to find out more about immediate life-saving measures using the HeartSave? Here you can find more information, e.g. technical data, brochures and PRIMEDIC™ videos.



TRAINING FOR INCREASED SAFETY

REALISTIC TRAINING OPPORTUNITIES AND COURSES FOR FIRST AIDERS

All PRIMEDIC™ defibrillators for first aiders are very easy to use. Nevertheless, thorough training and regular courses can teach them to use the device both quickly and efficiently in an emergency. PRIMEDIC™ offers a proven, user-friendly AED training device with six real-life scenarios for teachers and instructors. An additional advantage: this training device has low operating costs. Semi-automatic and fully automatic versions of the training device are available. A remote control helps teachers adjust exercises to their lessons using the identical training equipment, as well as enabling them to confront participants with unexpected situations.

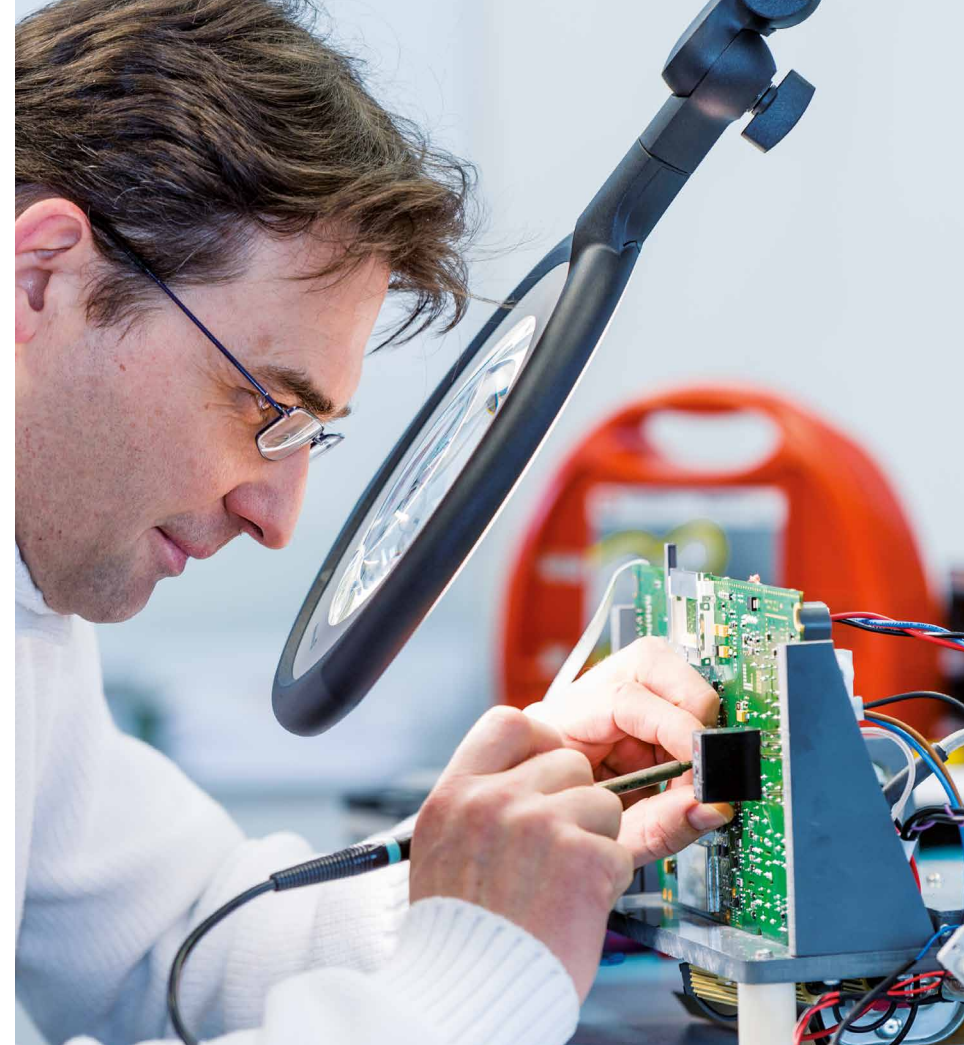
AFTER-SALES SERVICE

WE ARE ALWAYS ON HAND TO HELP

- ▶ Customer service on the phone, by email or in person
- ▶ Remote diagnostics possible
- ▶ Technical safety checks
- ▶ Device upgrades
- ▶ Software updates (e.g. ERC Guidelines) can be easily performed by the user
- ▶ Accessories available from stock
- ▶ Repairs
- ▶ Service training courses for authorised partners

IT IS IMPORTANT TO US TO HAVE A GOOD RELATIONSHIP WITH OUR CUSTOMERS

Our relationship with you doesn't end once your purchase is complete! Our skilled and experienced PRIMEDIC™ customer service staff and our partner companies are always on hand to help you. Service technicians carry out all repairs on any PRIMEDIC™ devices either at our headquarter or at authorized service partners.



You can also let the professionals perform any necessary technical safety checks. Quick response and processing times and technically experienced customer support on the phone and by email are taken seriously at PRIMEDIC™. To top it off, the service team provides our partner companies with training courses in the field of technical safety checks.

ACCESSORIES

BATTERY

3-year battery PAD
6-year battery AS, AED



SaveCard



PatSim

Shockable patient simulator for defibrillators



SaveBox

Magnetic lock included, optionally with alarm function (SaveBox Advanced)



WALL MOUNT

Vehicle certification in line with EN1789



LOCATION SIGNS



SavePads PRECONNECT

Accessories included (razor, breathing mask, scissors and gloves)



SavePads

Accessories included (razor, breathing mask, scissors and gloves)



CARRY BAG



ACCESSORIES BAG

AED front



Head Office / Production Site

METRAX GmbH

Rheinwaldstr. 22
D-78628 Rottweil
Germany

Phone: +49 741 257-0
Fax: +49 741 257-235
www.primedic.com
info@primedic.com

METRAX Worldwide (Sales Offices)

METRAX GmbH

Shanghai Rep. Office
Room 720, Block B,
URBANK 88 Office Park No.88,
North Zhangjiabang Road,
Pudong, Shanghai 200122
P.R. China
Phone: +86 21 583199-80
Fax: +86 21 583177-79
www.primedic.cn
info@primedic.cn

METRAX GmbH

Moscow Rep. Office
Ul. Vavilova 5, corpus 3
119334 Moscow
Russia
Phone: +7 495 722 17 05
www.metrax.ru
info@metrax.ru

