MEDIANA

HeartOn AED

Automated External Defibrillator

Sudden Cardiac Arrest & Chain of Survival

Sudden Cardiac Arrest (SCA)

Sudden cardiac arrest (SCA) is a condition in which the heart suddenly and unexpectedly stops beating.
If this happens, blood stops flowing to the brain and other vital organs.
SCA usually causes brain injury if it's not treated within 3 minutes and death if it's not treated within 5 minutes.

SCA Key Facts & Statistics in Europe

In Europe, around 300,000 people a year die as a result of sudden cardiac arrest.
This makes it the No.1 cause of death ahead of cancer and strokes. SCA kills 1,000 people a day or one person every two minutes in Europe, and most often occurs in patients with heart disease, especially those who have congestive heart failure and have had a heart attack.
It is estimated that 95 percent of victims of cardiac arrest die before they reach a hospital or other source of emergency help. This figure could be considerably lower if public facilities and private households were also equipped with an automatic defibrillator.
This allows first aid providers with no prior medical training to use simple hand compressions to become instant lifesavers. Easy access to AEDs in public is essential to constantly prevent people dying of SCA.

Chain of Survival

To increase the chance of successful resuscitation following SCA, requires an integrated set of coordinated, sequential actions represented by a chain of links. This is known as the Chain of Survival.

The links in the new AHA ECC Adult Chain of Survival are as follows:

1. Immediate recognition of cardiac arrest and activation of the emergency response system
2. Early CPR with an emphasis on chest compressions
3. Rapid defibrillation
4. Effective advanced life support
5. Integrated post–cardiac arrest care

HeartOn AED Saves Your Life from Sudden Cardiac Arrest.

What is an AED?

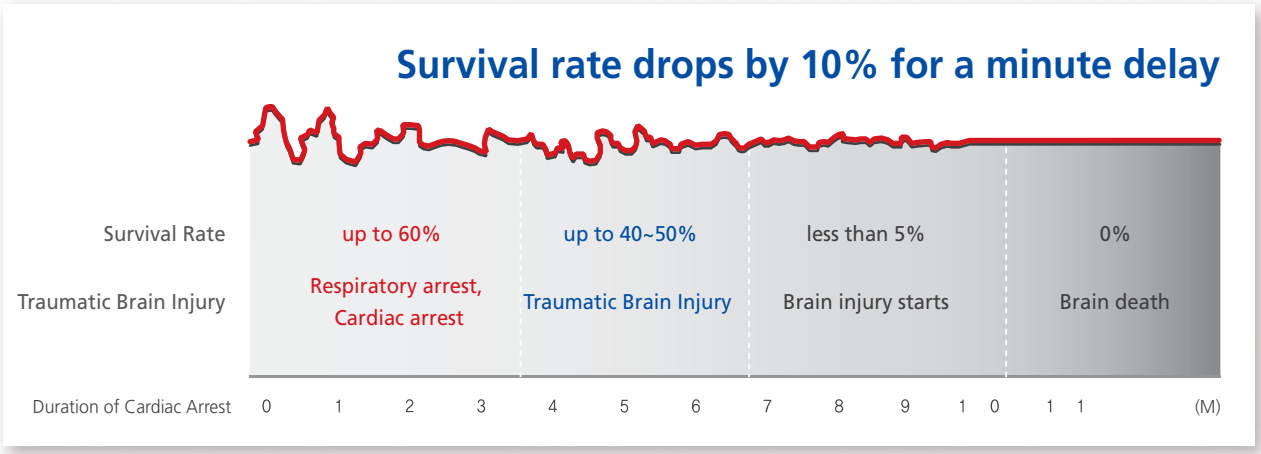
An automated external defibrillator or AED is a portable electronic device that automatically diagnoses the potentially life threatening cardiac arrhythmias of ventricular fibrillation and ventricular tachycardia in a patient, and is able to treat them through defibrillation. Defibrillation is the application of electrical therapy which stops the arrhythmia, allowing the heart to reestablish an effective rhythm.
AEDs are designed to be simple to use for the layman, and the use of AEDs is taught in many first aid, first responder, and basic life support level CPR classes.

Why is an AED needed?

Automated external defibrillators are miracles of modern technology, automatically assessing whether someone who is having an apparent heart attack is a candidate for a shock, then administering one if needed. Without appropriate CPR and defibrillation, a SCA patient's survival rate decreases by 10% every minute. AEDs have the potential to save thousands of lives including yours!

Defibrillation and Survival Rate

An AED is still only applied in 5-10% of cases, where a cardiac arrest occurs in public.
That means we could save a lot more people if there was a uniform placement of AEDs in all large public buildings and if members of the public consistently learned how to use AEDs and were willing to use them.



"ANYONE, ANYWHERE, ANYTIME"

HeartOn AED A10

Automated External Defibrillator

Mediana's Heart On AED helps to save people's lives in case of emergency.

Connecting socket

Defibrillator pads connector socket.

Status indicator

Unit status and battery capacity.

HeartOn **A10** Icon type

Useful visual indicators & easy to use functions

Push button

To open the lid

Shock button

Flashing button indicates ready for shock delivery. Push the button to deliver shock.

Speaker

Acoustic indicator for real time guidance

Power on button

Toggle key to turn on/off

Adult Pads

Pediatric Pads

IrDA port

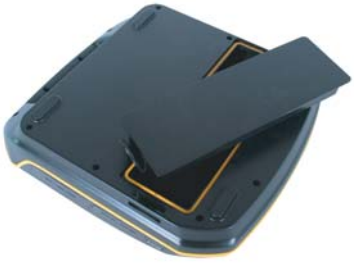
IR communication port between PC

SD card

Review data stored & software upgrade

DC input port (Trainer only)

15V/1.5A



Battery

Disposable $LiMn0_2$ (non-rechargeable).

Soft Bag

HeartOn A10 Features

Advantage
Support Icons and voice prompts to instruct user performing CPR.
By observing the visual indicator LEDs, easy following of operating steps.

Self-Test
The HeartOn AED A10 includes an automatic self-test which is performed on a daily, weekly and monthly basis for device, battery, and power supply status. The self-test program will run automatically and requires no user interaction.

Maintenance
The HearthOn AED A10 includes a status indicator. With this indicator, user can check battery and unit status without turning on the device, making the device maintenance easier.

Safety
After analyzing ECG, flashing Shock button LED indicates clearly readiness for shock delivery.

Expansibility
Using SD card, customer can check ECG status from PC or upgrade the unit.

HeartOn A10 Specification.

Defibrillation	Waveform :BiphasicSmartshot, Energy: 45~200J, Charging Time: max 13 sec, Operating mode: Semi- Auto
ECG	lead: 2, VF/VT detection, Analysis time: 8~12mm/s
Indication	Icon, Status LCD, Voice prompt, CPR indication
Data backup & communication	SD card, IrDA, LAN(option)
Battery	Type: LiMnO2, Storage: 4 years, Discharge: Min 200, Monitoring: Min 10hrs
Regulatory	AAMI DF80, IEC 60601-1-2, IEC 60601-1-4, IEC 60601-2-4, 2010 AHA guideline
Self test	Every 24hr, 1wek, 1month, Power on self test, Test result: Status LCD
PADS	Adult pad: 1 disposable pad (standard Acc.)-Storage: 2 years or Pediatric Pad: 1 disposable pad (standard Acc.)-Storage: 2 years
List of Components	A10, Adult pad, Soft Bag, Operation Manual
Dimensions	314x259x109 (mm, HxWxD), Weight with battery: Approx. 2.95kg

HeartOn AED T10 TRAINER

Heart on T10 features

- Ten available training scenarios
- Two custom training scenarios
- Infrared remote control
- 2200mAh Li-ion rechargeable
- 15V DC adapter
- Trainer carry case
- Trainer instructions for use
- Electromagnetic compatibility(EMC)

Trainer Pads

Remote Control

AC/DC Adapter

Trainer Accessory

HeartOn A10 Instruction

1.Turn on the HeartOn A10 & Attach the AED pads

1.The negative pad is placed on the victim's right upper chest wall.
2.The positive pad is placed on the victim's left chest/side (axillary line) just below the nipple and pectoral muscle.

CPR should not be interrupted while the adhesive pads are being applied.

2.Follow Prompt & Analysis of heart rhythm

The AED will automatically analyze the heart rhythm of the victim and inform you, the rescuer, whether shocks are indicated.

Ensure that nobody is touching the victim.

3.Press the Shock Button

If the AED indicates that a shock is required, make sure that everyone is clear of the victim.

Then press the shock button on the AED machine to deliver the first shock

4.Begin CPR

Perform CPR for 5 cycles of 30 compressions to 2 breaths.

Do not remove the AED pads to perform CPR.
Leave them in place.

MEDIANA

Mediana Seoul Office
Mediana Building, #793-3,Bangbae-dong,
Seocho-ku, Seoul, Korea (P.C: 137-830)
Tel : +82-2-542-3375 Fax : +82-2-542-7447

Mediana Head Office / Factory / R&D
Wonju Medical Industry Park, #1650-1,Donghwa-ri,
Munmak-eup,Wonju-si,Gangwon-do,Korea(P.C : 220-801)
Tel : +82-33-742-5400 Fax : +82-33-742-5418

www.mediana.co.kr

CE 0434