



HEARTON AED

Automated External Defibrillator

A15

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Automated External Defibrillator

Mediana's HeartOn AED helps to save people's lives in cases of Sudden Cardiac Arrest.



1. Cover

Protected Icon Sheet, Shock Button, Adult/Child Mode Switch

2. Status Indicator

Unit status and battery capacity

3. Connecting Socket

Defibrillator pads connector socket. The pads are always ready for use.

4. Visual Icons

Indicator LED lights flash with the corresponding voice prompts.

Visual Icons clarify the necessary actions.

5. Shock Button

Flashing button indicates "Ready for shock delivery" Push the button to deliver shock.

6. Adult/Child Mode Switch

Easily switch from adult to child mode without changing pads.

7. Open Button

Slide the button to the right to open up the cover. Unit automatically turns on.

8. Speaker

Acoustic indicator for real time guidance.



9. IrDA Port

IR communication Port between PC & AED

10. SD Card Port

Review stored data & software upgrade



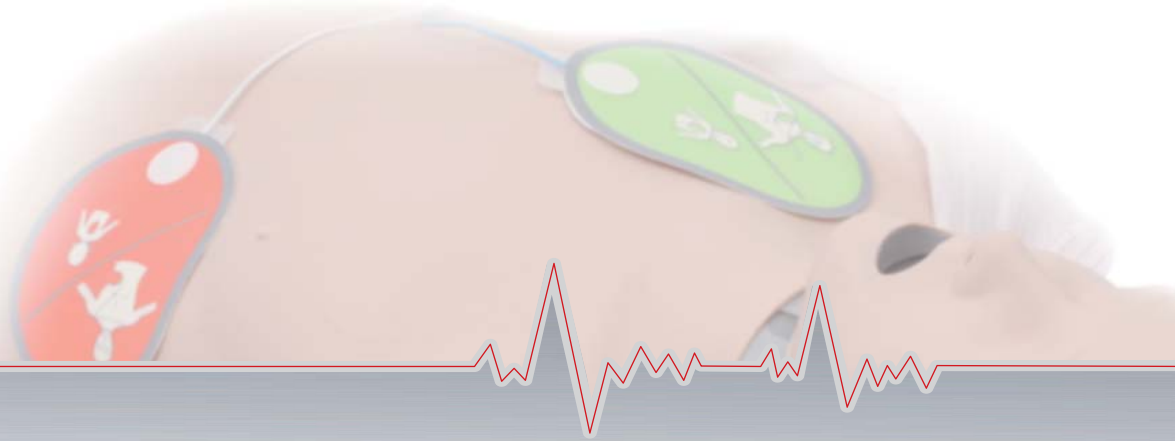
11. Battery

Disposable LiMnO2 Non-Rechargeable



12. Pad

Two-In-One Electrode (Adult / Child)



Features

- Semi-automatic operation (Adult/Pediatric)
- Adult/Pediatric Mode Switch
- Quick Start Power the A15 by using the Open Lid Button
- 2010 AHA guidelines
- Battery Capacity 4.2Ah/15V(200shocks or 10hr monitoring)
- Voice prompt, Action Icon(LED) Indicator, Status LCD
- Status indicator : self test (fail/pass), battery level, Temp, condition
- Self-test (POST, Periodic test-daily, weekly, monthly, BIST)
- SD card, IrDA support
- Event review PC software (Option)

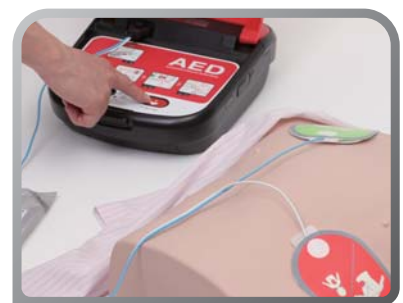
Fast & Easy Operation



1. Open the Cover



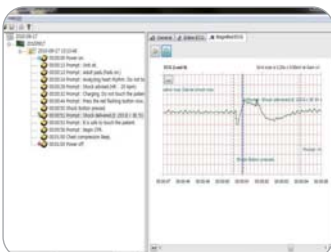
2. Attach the Pads



3. Push the Shock Button

Network Solution

AED Event Review Software / Wi-Fi / CDMA





Defibrillation Electric Shock

Waveform	Biphasic Truncated Exponential (BTE) waveform (impedance compensation)
Energy	Adult: 185 to 200J (±5%) Pediatric: 45 to 50J (±5%)
Operating mode	Semi-Auto

ECG

Lead	II (RA, LL)
Patient impedance	25 to 175 ohm
Heart Rate	20 to 300 per min
Accuracy	1 per min
Detection V/F	more than 200 µV
V/T	more than 160 per min
Lead connection	Confirms the connection and emit voice prompt
Filter	0.5 to 30 Hz

Indication

Controls	
Standard	Slide button, Shock button, Patient mode switch
Indicators	
Visible	ICON Indicator, Status LCD (Unit status, Battery status, Temperature status), LED (Patient mode switch LED)
Audible	Audio speaker (Voice prompt), Beep (CPR indication)

Physical

Dimensions	240 × 294 × 95 (mm) (W×H×D)
Weight	Approx. 2.65 kg including the battery excluding pads

Self Test

Cycle	Every 24 hours, 1 week, 1 month Power on self test, Battery insertion self test
Test result	Status LCD displays "O"/"X".

Data Backup and Communication

Standard SD card, Infrared communication port

Accessories Specifications

Pads

Adult / Pediatric Pads

Standby life	2 years from manufacture date
Electrodes	Disposable pads
Placement	Adult: Anterior-lateral Pediatric: Anterior-posterior
Minimum active gel area	80 cm ² +/-5%

Cable length About 1.8 m

Environmental Conditions

Temperature	Operation: 0 to 43°C (32 to 109.4°F) Storage: 0 to 43°C (32 to 109.4°F)
Relative Humidity	5 to 95% RH (Non-condensing)

Battery

Battery

Type	LiMnO ₂ , Disposable, Long-Life Primary Cell
Voltage/Capacity	15V, 4200 mAh
Shelf Life (in the original packaging)	2 years from manufacture date
Standby Life (inserted in the AED)	5 years from manufacture date
Discharge	A minimum of 200 shocks (except the CPR period between the defibrillation therapy) or 10 hours of operating time at 20°C

Environmental Conditions

Temperature	Operation: 0 to 43°C (32 to 109.4°F) Storage: 0 to 43°C (32 to 109.4°F)
Relative Humidity	5 to 95% RH (Non-condensing)



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