MEDIANA HEARTON AED A16

Automated External Defibrillator

Anytime, anywhere, anyone.

MEDIANA HEARTON AED A16

Emergency heart disease, such as cardiac arrest, can occur anytime, anywhere and, to anyone.

FEATURES

PACE-PULSE DETECTION AND REJECTION FUNCTION. The A16 filters external pulse, like a pace-maker, and removes from the ECG reading.

OPERATION
Fully-automatic AED - no need to press the shock button. **Semi-automatic AED** - flashing button indicates 'ready for shock delivery' users press the button to deliver shock.

FAST SHOCK DELIVERY
Shock delivery within 10 seconds.

VOICE RECORDING
Enables a check to see what kind of on-site checks were done. When the device turns on the A16 records automatically.

MULTILINGUAL
English, Chinese (Mandarin), Korean.

PADS QUALITY CHECK
Checks connectivity, expiry date or whether they have already been used and damaged.

- Analysis to unit charged and ready in 10 seconds or less
- Lightweight (weighs less than 2kg)
- Super-fast shock delivery time
- 3 language selection – English, Chinese (Mandarin), Korean.
- Rated to IP55
- Instant switch between adult and child mode
- Battery Capacity 3000mAh/15V (200 shocks or 6hr monitoring)
- Voice prompt, Action Icon (LED) Indicator, Status LCD
- Status indicator showing the battery level, self-test (pass or fail), temperature, condition and pads
- Self-test: POST (Power on Self-Test), Periodic Test (Daily, Weekly, Monthly), Pad Quality Check, BIST (Battery Insertion Self-Test)
- SD card, IR communication support
- Optional event review computer software
- Meets 2015 AHA / ERC guidelines

EASY TO USE

1

- **Open the cover.**
- **Turn on the unit**

2

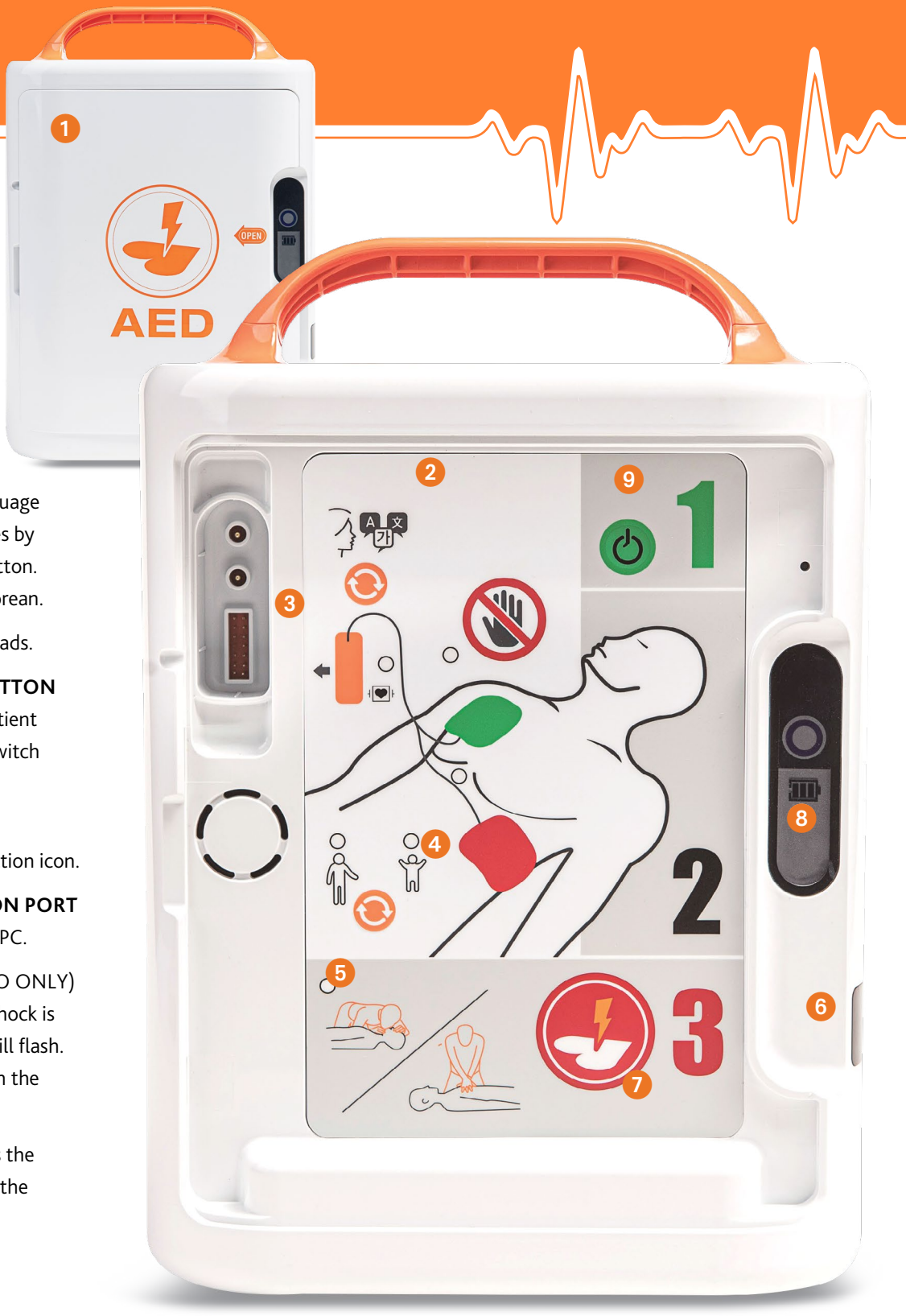
- **Select language.**
- **Select adult or child.**
- **Attach pads.**

3

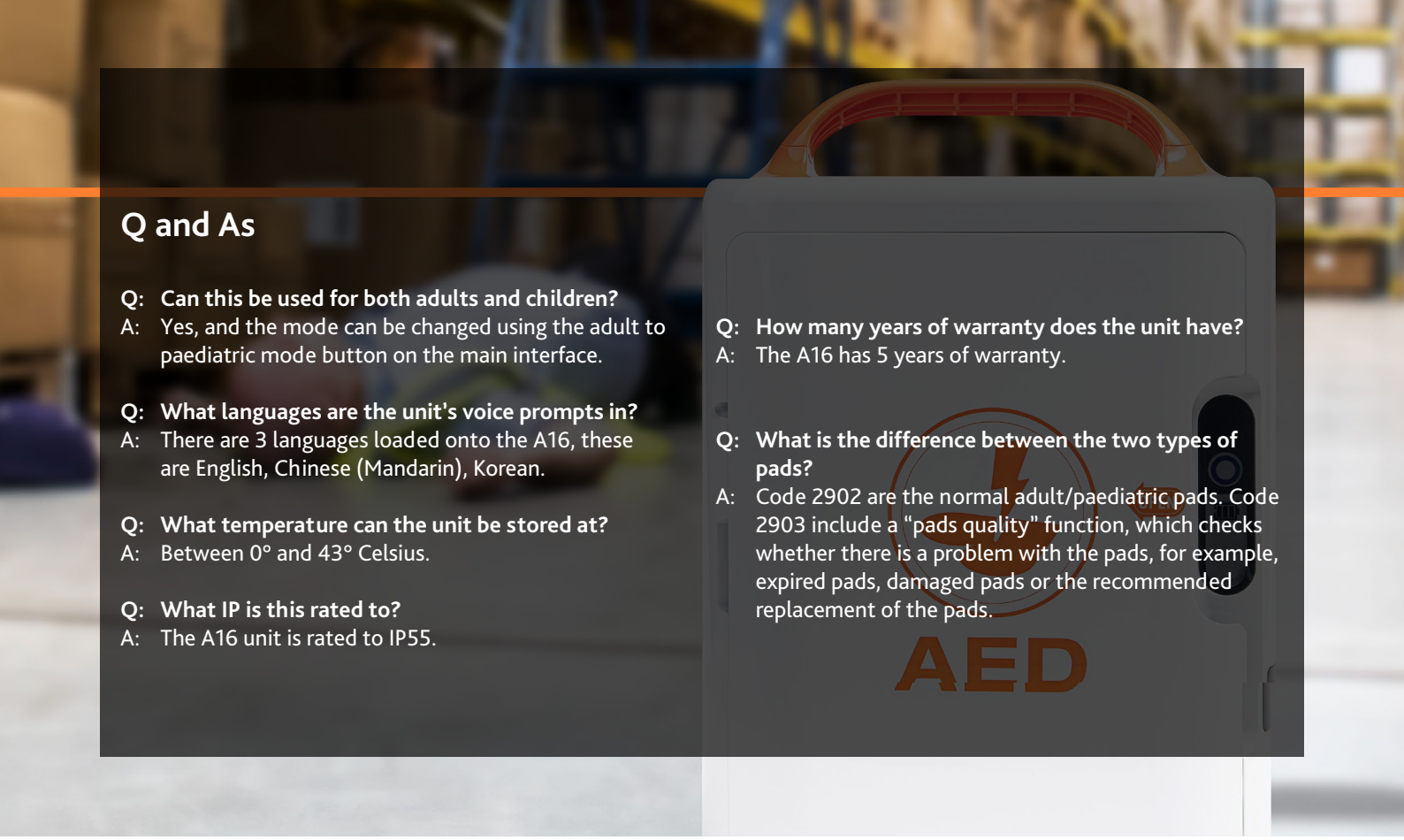
- **Unit will analyse and charge.**
- **Semi-automatic - press the flashing shock button.**
- **Fully-automatic - shock is delivered without the need to press the button.**
- **Start CPR**

OPTIONAL EVENT REVIEW SOFTWARE

The event data is stored on the SD card. When the AED doesn't have an SD card in it, or is unreadable, corrupted or damaged, the event data will be stored in the internal memory.



1. **COVER** protects the action icon, the patient mode switch button, the power button, the select language button and the shock button.
2. **LANGUAGE BUTTON** user can select the desired language among three different languages by pushing the select language button. English, Chinese (Mandarin), Korean.
3. **PAD CONNECTOR** links the pads.
4. **PATIENT MODE SWITCH BUTTON** between adult and pediatric patient by pushing the patient mode switch button.
5. **INDICATOR LIGHT** Flashes red near the relevant action icon.
6. **INFRARED COMMUNICATION PORT** used to communicate with the PC.
7. **SHOCK BUTTON** (SEMI-AUTO ONLY) When preparation for electric shock is completed, the shock button will flash. Push the Shock button and then the AED will deliver the shock.
8. **STATUS INDICATOR** displays the AED, temperature, battery and the PADS status.
9. **POWER BUTTON** used to ON/OFF the power.
10. **BATTERY** user can remove or reset the battery.
11. **SD CARD PORT** used to save the data and update the AED software.
12. **PADS** Two-in-one electrode (Adult / Paediatric).



Q and As

Q: Can this be used for both adults and children?
A: Yes, and the mode can be changed using the adult to paediatric mode button on the main interface.

Q: What languages are the unit's voice prompts in?
A: There are 3 languages loaded onto the A16, these are English, Chinese (Mandarin), Korean.

Q: What temperature can the unit be stored at?
A: Between 0° and 43° Celsius.

Q: What IP is this rated to?
A: The A16 unit is rated to IP55.

Q: How many years of warranty does the unit have?
A: The A16 has 5 years of warranty.

Q: What is the difference between the two types of pads?
A: Code 2902 are the normal adult/paediatric pads. Code 2903 include a "pads quality" function, which checks whether there is a problem with the pads, for example, expired pads, damaged pads or the recommended replacement of the pads.

AED SPECIFICATIONS

DEFIBRILLATION ELECTRIC SHOCK

Waveform:	Biphasic Truncated Exponential (BTE) waveform (Impedance compensation)
Energy:	Adult: 170 to 195J (±5%) Paediatric: 44 to 51J (±5%)
Operating Mode:	Semi-Auto, Fully-Auto

ECG

Lead:	II (RA, LL)
Patient Impedance:	25 to 200 ohm
Detection V/F	greater than or equal to 0.2mV
V/T	Adult: greater than or equal to 150 bpm

INDICATION

CONTROLS

Standard:	Power button, shock button, patient mode switch button, select language button.

INDICATORS

Visible:	Action icon, Status LCD (AED, battery, temperature and pads status).
Audible:	Audio speaker (voice prompt, CPR indication). Beep (CPR indication, power on, critically low battery, self-test fail, alarm of abnormal operation).

PHYSICAL

Dimensions:	286.5H x 200W x 90mmD
Weight:	Approx. 1.95kg (including battery, excluding pads).
Ingress Protection:	IP55

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	Internal memory, SD card slot, IR communication port.

ACCESSORY SPECIFICATIONS

PADS

ADULT/PAEDIATRIC

Shelf Life:	36 months from manufacture date (ref 2902)
Electrodes:	Disposable pads
Placement:	Adult: Anterior-lateral Paediatric: Anterior-posterior
Minimum active gel area:	80cm2 +/-5%
Cable Length:	Approx. 1.8m

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

Type:	LiMnO2, disposable, long-life primary cell
Voltage/Capacity:	15V, 3000 mAh
Shelf Life:	2 years from date of manufacture (in original packaging).
Standby Life:	5 years from date of manufacture (inserted in the AED)
Discharge:	A minimum of 200 shocks (except the CPR period between the defibrillation therapy) or more than 6 hours of operating time at 20°C

ENVIRONMENTAL CONDITIONS

Temperature:	Operation: 0 to 43°C (32 to 109.4°F) Storage: 10 to 25°C (50 to 77°F)
Relative Humidity:	5 to 95% RH (non-condensing)

The pad configuration must always match device configuration.

Information correct at time of going to press. Subject to change without notice.