



**MEDIANA  
HEARTON  
AED A16**

Automated External Defibrillator



*Anytime, anywhere, anyone.*

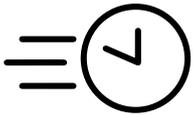
**FEATURES**



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



**OPERATION**  
**Fully-automatic** - no need to press the shock button. **Semi-automatic** - 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, Welsh and Polish - the three most spoken languages in the UK



**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, Welsh, and Polish
- 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.

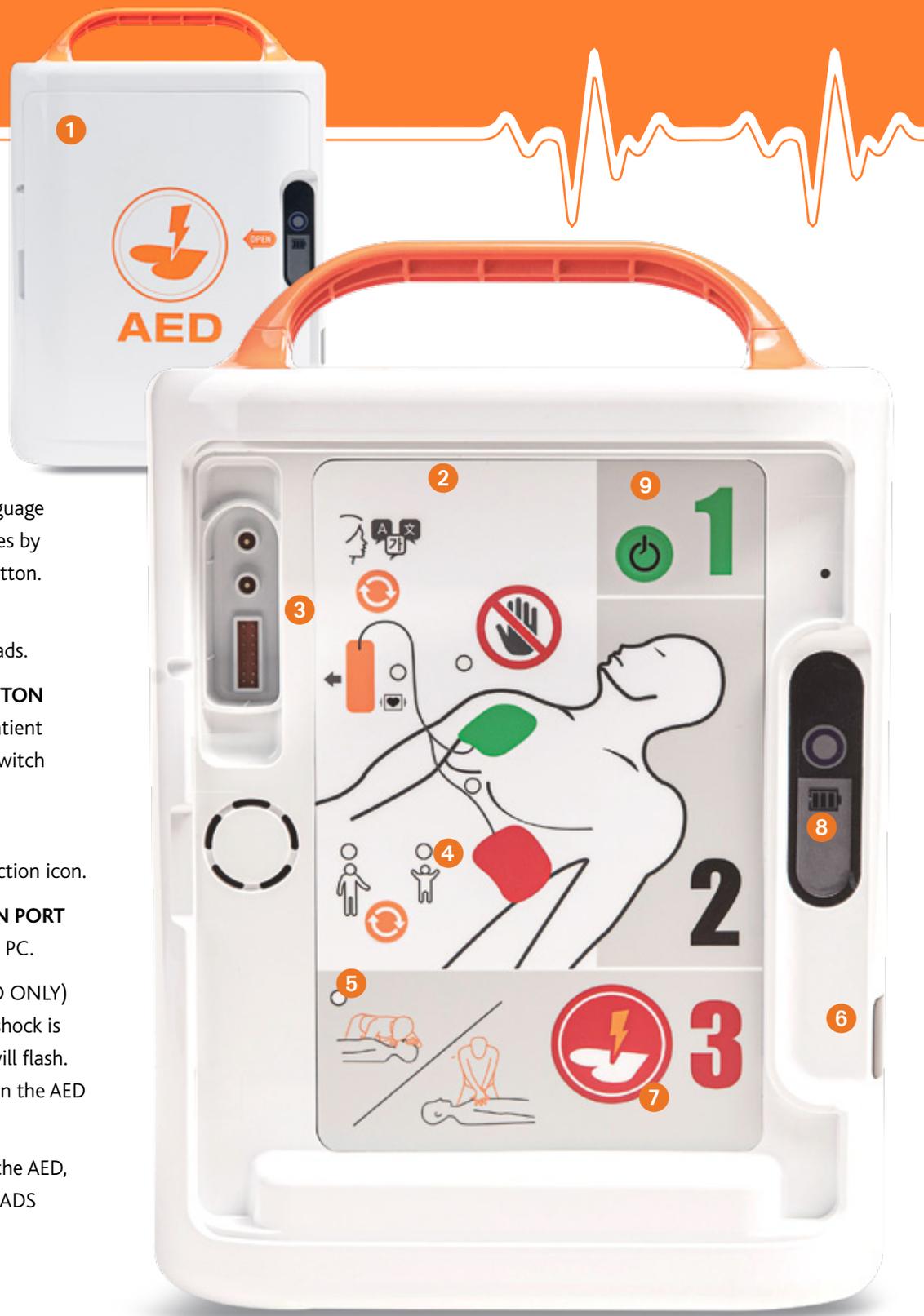


- 3**
- Unit will analyse and charge.
  - **Semi-automatic** - press the flashing shock button.
  - **Fully-automatic** - shock is delivered without the need to press the button.
  - **Start CPR**

**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.

- ❶ **COVER** protects the action icon, the patient mode switch button, the power button, the select language button and the shock button.
- ❷ **LANGUAGE BUTTON** user can select the desired language among three different languages by pushing the select language button. English/Welsh/Polish.
- ❸ **PAD CONNECTOR** links the pads.
- ❹ **PATIENT MODE SWITCH BUTTON** between adult and paediatric patient by pushing the patient mode switch button.
- ❺ **INDICATOR LIGHT** Flashes red near the relevant action icon.
- ❻ **INFRARED COMMUNICATION PORT** used to communicate with the PC.
- ❼ **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.
- ❽ **STATUS INDICATOR** displays the AED, temperature, battery and the PADS status.
- ❾ **POWER BUTTON** used to ON/OFF the power.
- ❿ **BATTERY** user can remove or reset the battery.
- ⓫ **SD CARD PORT** used to save the data and update the AED software.
- ⓬ **PADS** Two-in-one electrode (Adult / Paediatric). Optional pads memory/quality version.



## 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 in the UK, these are English, Welsh and Polish.

**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 A15 and A16 both have 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.

**Q: Does the A16 supersede the A15?**

A: No, the units are different and cater to different customers. For those that are looking for a basic AED, the A15 has a simple interface with one pre-loaded language and is therefore lower in price. The A16 has three pre-loaded languages and two pad options.

**Q: Has the A16 been drop tested?**

A: Yes, the unit has been drop tested to 0.75m on all 6 sides.

## AED SPECIFICATIONS

### DEFIBRILLATION ELECTRIC SHOCK

|                 |  |
|-----------------|--|
| Waveform:       | Biphasic Truncated Exponential (BTE) waveform (Impedance compensation) |
| Energy:         | Adult: 170 to 195J (±5%)<br>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<br>(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 (16B)<br>30 months from manufacture date (16Q/16CQ) |
| Electrodes:                     | Disposable pads   |
| Placement:                      | Adult: Anterior-lateral<br>Paediatric: Anterior-posterior                           |
| Minimum active gel area:        | 80cm <sup>2</sup> +/-5%   |
| Cable Length:                   | Approx. 1.8m  |
| <b>ENVIRONMENTAL CONDITIONS</b> |   |
| Temperature:                    | Operation: 0 to 43°C (32 to 109.4°F)<br>Storage: 0 to 43°C (32 to 109.4°F)          |
| Relative Humidity:              | 5 to 95% RH (non-condensing)  |

#### BATTERY

|                   |   |
|-------------------|---|
| Type:             | LiMnO <sub>2</sub> , disposable, long-life primary cell   |
| Voltage/Capacity: | 15V, 3000 mAh   |
| Shelf Life:       | 2 years from date of manufacture<br>(in original packaging).  |
| Standby Life:     | 5 years from date of manufacture<br>(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)<br>Storage: 10 to 25°C (50 to 77°F) |
| Relative Humidity: | 5 to 95% RH (non-condensing)   |

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

## MEDIANA AED A16



**2900** Mediana A16 HeartOn AED Semi-automatic  
English/Polish/Welsh  
CONTENTS  
1 Mediana Semi-automatic HeartOn AED A16  
1 Operators Manual  
1 Battery Pack  
1 SD Card  
1 Set Adult/Paediatric Pads  
SIZE: 20cmH x 28.7cmW x 9cmD  
UNIT: 1  
MOQ: 1



**2901** Mediana A16 HeartOn AED Fully-automatic  
English/Polish/Welsh  
CONTENTS  
1 Mediana Fully-automatic HeartOn AED A16  
1 Operators Manual  
1 Battery Pack  
1 SD Card  
1 Set Adult/Paediatric Pads  
SIZE: 20cmH x 28.7cmW x 9cmD  
UNIT: 1  
MOQ: 1



**2902** Mediana A16 HeartOn AED Adult / Paediatric Pads 16B  
-  
SIZE: Adult/Paediatric  
UNIT: 1  
MOQ: 1



**2903** Mediana A16 HeartOn AED Adult / Paediatric Pads 16Q  
Pads memory / Pads Quality  
SIZE: Adult/Paediatric  
UNIT: 1  
MOQ: 1



**2905** Mediana A16 HeartOn AED Battery Pack  
SIZE: A16  
UNIT: 1  
MOQ: 1



**2906** Mediana A16 HeartOn AED SD Card  
SIZE: A16  
UNIT: 1  
MOQ: 1



**2907** Mediana A16 HeartOn AED Soft Bag  
SIZE: Fits A16 and T16  
UNIT: 1  
MOQ: 1



**9220** Spectra A16 AED First Aid System  
SIZE: 75cmHcm x 34.7cmW x 10.5cmD  
UNIT: 1  
MOQ: 1

## MEDIANA T16 AED TRAINER



**2910** Mediana T16 HeartOn AED Trainer  
CONTENTS  
1 Mediana HeartOn AED Trainer T16  
1 Operators Manual  
1 Remote Control  
1 Set Trainer Pads  
SIZE: 20cmH x 28.7cmW x 9cmD  
UNIT: 1  
MOQ: 1



**2911** Mediana T16 HeartOn AED Trainer Pads  
SIZE: 1  
UNIT: 1  
MOQ: 1

## AED CONSUMABLES



**2780** AED Prep Kit  
in Large Black/Red Compact Aura  
SIZE: 20.5cmH x 20cmW x 6.5cmD  
UNIT: 1  
MOQ: 1



**2877** AED Prep Kit  
in Black Soft Pouch  
SIZE: 15.6cmH x 10.8cmW x 5.4cmD  
UNIT: 1  
MOQ: 1



**2102** AED Alarmed Metal Storage Cabinet  
White/Glass/Alarmed  
SIZE: Internal: 43.4cmH x 43.4cmW x 21.7cmD  
External: 44.4cmH x 44.4cmW x 22.7cmD  
UNIT: 1  
MOQ: 1



**2105** AED Alarmed, Outdoor, Heated, Metal Cabinet  
Yellow/Alarmed/Heated  
SIZE: Internal: 50cmH x 40cmW x 22cmD  
External: 37cmH x 38cmW x 17cmD  
UNIT: 1  
MOQ: 1



**2879** Universal AED Bracket  
Green  
SIZE: 12.3cmH x 19cmW x 9.5cmD  
UNIT: 1  
MOQ: 1



# MEDIANA HEARTON AED A16

Automated External Defibrillator

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