



**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.

**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/Welsh/Polish.

**3 PAD CONNECTOR** links the pads.

**4 PATIENT MODE SWITCH BUTTON** between adult and paediatric 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). Optional pads memory/quality version.





## AED SPECIFICATIONS

### DEFIBRILLATION ELECTRIC SHOCK

Waveform:	Biphasic Truncated Exponential (BTE) waveform (Impedance compensation)
Energy:	Adult: 170 to 195J ( $\pm 5\%$ ) Paediatric: 44 to 51J ( $\pm 5\%$ )
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 (16B) 30 months from manufacture date (16Q/16CQ)
Electrodes:	Disposable pads
Placement:	Adult: Anterior-lateral 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) 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 (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)

*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: 20cmH x 28.7cmW x 9cmD  
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

[www.medianadefib.co.uk](http://www.medianadefib.co.uk)

t. +44 (0) 08456 448808

e. [sales@reliancemedical.co.uk](mailto:sales@reliancemedical.co.uk)

w. [www.reliancemedical.co.uk](http://www.reliancemedical.co.uk)



Mediana HeartOn Defibrillators are distributed  
by Reliance Medical Limited.

