

# MEDIANA HEARTON AED A15



## SPECIFICATIONS

### DEFIBRILLATION ELECTRIC SHOCK

Waveform:	Biphasic Truncated Exponential (BTE) waveform (Impedance compensation)
Energy:	Adult: 185 to 200J (±5%) Paediatric: 50J (±5%)
Operating Mode:	Semi-Auto
Analysis/Charge Time:	10 seconds or less
Shock Time:	Delivers 200 shocks with full battery

### ECG

Lead:	II (RA, LL)
Patient Impedance:	25 to 175ohm
Heart Rate:	20 to 300 per min
Accuracy:	1 per min
Detection V/F	more than 200µV
V/T	more than 160 per min
Lead off detection:	Detected and voiced
Filter:	0.5 to 30Hz

### INDICATION

#### CONTROLS

Standard:	Open (power) switch, shock button, Adult/Paediatric mode switch
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#### INDICATORS

Visible:	ICON Indicator, Status LCD (unit status, battery status, temperature status), LED (Adult/Paediatric mode switch LED)
Audible:	Speaker (voice prompt), Beep (CPR indication)

#### PHYSICAL

Dimensions:	294H x 240W x 95mmD
Weight:	Approx. 2.65kg (including 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, IR communication port
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### ACCESSORY SPECIFICATIONS

#### ADULT/PAEDIATRIC PADS

Standby Life:	2 years from date of manufacture
Electrodes:	Disposable pads
Placement:	Adult: Anterior-lateral Paediatric: Anterior-posterior

Minimum active gel area: 80cm<sup>2</sup> +/-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)
Altitude:	0 to 4,575m
Shock:	Acceleration: 100G (+/-10%)
Vibration:	Frequency: 10Hz to 2000Hz Acceleration: 10Hz to 100Hz: 5.0 (m/s <sup>2</sup> ) <sup>2</sup> /Hz 100Hz to 200Hz: -7 dB per octave 100Hz to 2000Hz: 1.0 (m/s <sup>2</sup> ) <sup>2</sup> /Hz

Drop Height: 1m

Water and Dust Resistance: IP55 (Class 2)

#### BATTERY

Type:	LiMnO <sub>2</sub> , disposable, long-life primary cell
Voltage/Capacity:	15V, 4200 mAh
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 10 hours of operating time at 20°C

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

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