VIVEST

PRODUCT DATA SHEET

ViVest AED *with pictograms (AED-1)* Semi-Automatic

The real “mobile” device

Slimline and lightweight means that the ViVest AED-1 AED can fit into most bags and be transported to various locations.

Accurate diagnosis, clear display

Clear visual images, enhanced further using LED lighting and loud verbal commands, to guide the user and provide the patient with the best chance of survival.

Complete reliability

Daily self-testing, drop tested to 1.5 meters, IP55 protected without the need for a carry case and a failsafe button ensuring the AED is always ready to save lives.

Connectivity ready

Fleet management enabled, messages on status and geo location including movement tracking.

Product model	ViVest AED-1
Size (H x W x D) cms	23.2 x 20.9 x 5.9
Weight Kg	1.5
Protection grade	IP55
Connectivity ready	Yes
Paediatric Mode	Yes

Product highlights

- Slimline and lightweight - H 23.2 x W 20.9 x D 5.9cm, 1.5KG
- Simple audio and visual instruction for the user with pictograms
- One of the easiest to use on the market
- Paediatric button to switch the AED into Child Mode (50J)
- Battery standby life of 5 years (Shelf Life 7 Years) and capable of up to 200 shocks
- Universal Smart Pads lasting 5 years from production (suitable for adults & pediatrics)
- CPR features with metronome
- Algorithm capable of detecting implants such as pacemaker and internal defibrillator
- Automated ECG recording of up to 8 hours
- Daily self testing ensures device is ready for use
- IP55 protects against dust and wet environments
- Drop tested to 1.5 metres
- Shock button has built in failsafe button to alleviate risk of failure
- Able to identify a pulse and make the decision not to shock

Specifications

First Aid Scotland
Training & Consultancy

Defibrillator

Waveform: Biphasic Truncated Exponential (BTE) Waveform

Impedance Range: 20 - 180Ω

Energy Level:
Adults, energy released at 50Ω impedance: 150J.
Child, energy released at 50Ω impedance: 50J.

CPR Coaching: CPR instructions are available,with metronome and hand placement instructions.

CPR Protocal: Comply with AHA 2020 guideline.

Charge/Discharge Time: The time from the initial rhythm analysis to when the shock can be performed: 11 seconds.

Arrhythmia Analysis

Accuracy: Comply with IEC60601-2-4

Analysis Time: Typically 7 seconds

Controls

Shock Control: Semi-automatic (press the shock button to deliver energy)

Certification: ISO13485, CE certification

Safety Standard:
IEC 60601-1:2005+AMD1:2012+AMD2:2020 CSV
IEC 60601-2-4:2018
IEC 60601-1-2:2014+AMD1:2020 CSV
EC 60601-1-12:2014+A1:2020 CSV
IEC 60601-1-11:2015+A1:2020

User Interface

Display: AED-1 has 114 mm (W)x87 mm (A) graphic panel.

Resolution: 800x480 pixels

User Guidance: AED-1 has LED lights, graphic panel and voice prompt.

Volume Adjustment: Volume is adjustable through APP.

Device Status Indicator: Visual and audible indicators help to monitor the status of the main device, electrodes, and battery. Flashing green light indicates the device is normal. Flashing red light indicates the device is faulty.

Environmental Parameters

Operating/Storage Temperature: -10°C ~ +50°C

One Hour Operating Temperature Limit (extreme cold): -20°C

Short-term Storage/Transport Temperature:
-40°C~+70C, within one week, with battery and pads uninstalled.

Long-term Storage/Transport Temperature:
5°C~ 50°C,with battery. with battery.

Atmospheric Pressure: 59.4KPa~106KPa

Relative Humidity: 5%~95% (no condensation)

Ingress Protection: IP55

Physical Characteristics (including handle)

Height: 232mm

Width: 209mm

Depth: 59mm

Weight: 1.5kg (including battery and pads)

Tolerable Impact/Fall Damage: Can withstand free fall damage from a height of 1.5M onto hard surfaces.

Accessories (Battery)

Type: Lithium manganese dioxide (Li/MnO2} battery (non-rechargeable), 12V/3000mAh

Capacity: At 20°C±2°C, the new battery can discharge 200±10 times at 150J.

Operation Life (standby): 5 years (typical)

Low Battery Status: A battery that indicates low battery can still be used ≥30 times at 150J.

Accessories (Pads)

Pads: Suitable for adults and pediatrics.

Shelf Life: 5 years from manufacturing date.

Cable Length: 1.1m.

Storage Space: Pads can be stored in the space at the back of the device.

Data Storage

Memory Type: Internal digital memory

ECG/Event Storage: At least 8 hours of ECG and event/ incident recording.

Self-test Data Storage: Up to 10 years

Communications

Communications: USB interface, Bluetooth.

Overall Device

Date of Production: See label at the bottom of main device.

Warranty: 8 years.