

# VIVEST A3

## Semi-Automatic AED



Product Data Sheet



### Easy to use, clear guidance

The 5 inch LCD color-screen will visually instruct the user on what to do and how to do it while the voice guidance of **A3** helps provide fast, effective and safe preconditions for pre-hospital emergency measures, and guarantees the basic CPR operations of rescuers.

Extremely beneficial for visually impaired and hard of hearing users.

### Complete reliability

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

| Product model            | A3 AED            |
|--------------------------|-------------------|
| Size (H x W x D) cms     | 23.2 x 20.9 x 5.9 |
| Colour display           | Yes               |
| On click language switch | Yes               |
| Protection grade         | IP55              |
| Daily self check         | Yes               |
| Pads shelf-life          | 4 years           |
| Pediatric mode           | Yes               |

### Product highlights

- Slimline and lightweight - H 23.2 x W 20.9 x D 5.9 1.5KG
- Simple audio and visual instruction for the use One of the easiest to use on the market
- Pediatric button to switch the AED into Child Mode (50J)
- 5-inch LCD color screen
- Battery shelf life of 7 years and capable of up to 200 shocks
- Smart Pads life of 4 years which allow for biphasic shock
- 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
- Dual Language
- Shock button has built in failsafe button to alleviate risk of failure
- Able to identify a pulse and make the decision not to shock



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# Specifications

## Defibrillator

**Waveform:** Biphasic Truncated Exponential (BTE) Waveform

**Impedance Range:** 20 - 180

**Energy Level:**

Adults, energy released at 50 impedance: 150J

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

**CPR Protocol:** Comply with AHA 2020 guideline

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

## Arrhythmia Analysis

**Accuracy:** Comply with IEC60601-2-4

**ECG Analysis Time:** Typically 7 seconds

## Controls

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

**Certification:** ISO13485

**Safety Standard:**

IEC 60601-1:2005+AMD1:2012+AMD2:2020 CSV

IEC 60601-2-4:2018

IEC 60601-1-2:2014+AMD1:2020 CSV

IEC 60601-1-12:2014+A1:2020 CSV

IEC 60601-1-11:2015+A1:2020

## User Interface

**Display:** A3 has 5 inches color LCD screen, 105 mm (W)x65 mm (BF),

**Resolution:** 800x480 pixels

**User Guidance:** A3 has a color LCD screen, animation, voice and bilingual text prompts.

**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~+70°C, within one week, with battery

Long-term Storage/Transport Temperature:

5°C~+50°C, 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/MnO<sub>2</sub>) 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 at least 30 times at 150J.

## Accessories (Pads)

**Pads:** Suitable for adults and pediatrics.

**Operation Life (standby):** 4 years (from manufacturing date)

**Cable Length:** 110cm

**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:** 5 years.