VIVEST

Compact
Robust
Reliable

Ready to save lives

About us

Welcome to ViVest. We are dedicated to bringing the best automated external defibrillators (AEDs) to the market, helping to save lives and making sure that everyone is prepared for a cardiac emergency. Our company has been involved in the AED industry for many years, and we are proud to provide one of the most innovative and efficient defibrillators available today.

We have a range of models available to suit any budget and are committed to providing the best customer service.

Compact, Robust & Reliable

ViVest AEDs are designed with mobility, robustness, ease of use and reliability in mind. Each model has been independently tested to ensure that they meet the highest of standards. Our AEDs are equipped with the latest technology and features, including voice instructions, easy-to-follow graphics, pediatric button and quick analysis to shock time and CPR support.

Connectivity ensures AED readiness; all AEDs can be remotely monitored.

ViVest AEDs

With Pictograms (A1 AED) or Display (A3 AED)

No matter when or where a sudden cardiac arrest (SCA) occurs, whether it is at the office, at school, on holiday, or any other time or place, ViVest AEDs are ready to save lives. Using innovative technology,we have developed the most efficient defibrillators available on the market. Our slimline and lightweight AEDs can provide a shock within 7 seconds of analysis.

Developed with ease of use in mind, the AEDs can be used by anybody. The simple voice commands which can be switched through multiple languages and images guide the user through the process.

A single push of a button switches on the device and the pre-connected smart pads simplify operation and save precious time. Text and voice prompts guide the user throughout the rescue process, including shock delivery and CPR guidance. And in case a child needs to be rescued simply press the child button to put the AED into child mode.

The devices take 7 seconds from the prompt 'shock advised' till discharge available and provides fast and stable ECG analysis of the event.

Our AEDs are heavily reliable having been drop tested to over 1.5 metres and are slimline and lightweight enough to fit in your every day rucksack or first aid bag.

Compact

The device weighs only 1.5kg. It is lightweight and easy for any user to carry, allowing it to partake in rescue efforts with ease.

Robust

The entirety of the device's surface can withstand damage from a free fall height of 1.5 metres, allowing it to easily handle falls and accidents.

Reliable

You can always count on your ViVest AED. It delivers a shock from prompt to discharge within 7 seconds.

ViVest A1 AED

with Pictograms *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	A1 AED
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
Child 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
- Pediatric 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
- MDR Approved

ViVest A3 AED

with Display *Semi-Automatic*

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 AED-3 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.

Connectivity ready

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

Product model	A3 AED
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
Colour display	Yes
Language button	Yes
Child 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 a 5-inch color display
- One of the easiest to use on the market
- Easy language selection between three languages
- Pediatric button to switch the AED into Child Mode (50J)
- Time to shock 7 seconds
- 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 us e
- 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
- MDR Approved

A1 & A3 AED Specifications

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

Language Button (AED 3): Users can switch between primary, secondary and third language among various available language options

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 AED has a 5 inch color LCD screen, 105 mm (W)x65 mm (BF)

Resolution: 800 x 480 pixels

User Guidance: A1 AED has 114 mm (W)x87 mm (A) graphic panel, A3 AED has a colour 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

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

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

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

VIVEST

POCKETAED

The ViVest Pocket AEDs

Minimum portability, maximum efficiency

The simplest and most portable way to save lives. The ViVest Pocket AEDs are an ultracompact, lightweight life saving device which weighs less than 700g and is the size of a standard smart phone. The ViVest Pocket AEDs can be carried inside a first-aid bag or specially designed pouch and transported in vehicles making it easily accessible to first reponders.

Advanced built-in 4G module to ensure fast and reliable data transmission

Built-in industrial 4G module enables universal wireless communication allowing for high-speed data transmission. This makes it possible to detect and check self-test data and transmit information of the rescue event in real-time.

Voice recording and adjustable volume to offer vital assistance during rescue

All voices and accompanying sounds can be recorded and stored during the rescue process to make sure all events surrounding the incident are monitorable. Adjustable Volume feature responds to various audio scenarios flexibly and effectively, with an Optional Silence Mode which can mute the device at the touch of a button.

Flexible dual battery option

Standard configuration: Disposable manganese dioxide lithium battery offers a stable, efficient energy source.

Optional: Rechargeable lithium-ion battery offers a highcapacity, recyclable energy source.

After the “low battery” alert, both types of battery can still deliver shock with 150J of energy for a minimum of 30 times.

Compact

Ultra-compact, lightweight device which weighs less than 700g and is the size of a standard smart phone, making it easliy accessible for first responders.

Robust

The entirety of the device’s surface can withstand damage from a free fall height of 1.5 metres, allowing it to easily handle falls and accidents.

Reliable

You can always count on your ViVest AED. It delivers a shock from prompt to discharge within 7 seconds.

ViVest P1 Pocket AED

Semi-Automatic

Compact and lightweight

Compared to traditional AEDs, the P1 Pocket AED shrink both in weight, boasting a 2/3 reduction, and in volume, with a 3/4 reduction, all while delivering the same therapeutic efficacy.

Weighing less than 0.7kg, the compact AEDs are ideally suited for deployment by specially trained personnel and can be conveniently stored in home first-aid kits, ensuring accessibility during critical situations.

Rugged durability and reliability in demanding conditions

The device boasts an impressive IP65 rating for dust and water resistance, making it suitable for operation even in the harshest environments. Its reinforced design enables it to excel in various extreme conditions, displaying remarkable tolerance to a range of environmental challenges.

Furthermore, it has undergone a rigorous 1.5 metres drop test, ensuring its capability to withstand emergency situations in harsh environments with ease.

Product model	P1 AED
Size (H x W x L) cms:	5.3 x 8.6 x 15
Weight (including batteries, pads):	Less than 0.7kg
Child Mode:	N/A
Continuously VF/VT Detection Mode:	Yes
Dust & Water Resistance Level:	IP65
Drop Impact Resistance:	1.5m

Product highlights

- Patented Tiny Combine™ technology:
  1. Portable and lightweight – 5.3(H) x 8.6(W) x 15cm(L) <0.7kg
  2. IP65 protects against dust and wet environments
  3. Drop tested to 1.5 metres
- One-touch power on, and one-touch defibrillation functions
- Smart Voice Guidance
- Optional rechargeable battery
- Smart pads life of 5 years which allow for biphasic shock
- CPR features with metronome
- Time to shock less than 8 seconds
- Algorithm capable of detecting implants such as pacemaker and internal defibrillator
- Continuous VF/VT detection mode, providing real-time protection during patient transport
- Pacemaker pulse detection
- 24 hours of ECG data
- Daily self-testing ensures device is ready for use
- Support 4G mobile communication and GPS positioning
- Pull-strap opening from pads back cover, accessible in 1 second
- MDR Approved

ViVest P3 Pocket AED

Semi-Automatic

Compact and lightweight

The P3 Pocket AEDs are significantly lighter and smaller than traditional models, featuring a 2/3 reduction in weight and a 3/4 reduction in volume, while maintaining the same therapeutic efficacy.

Weighing less than 0.7 kg, these compact devices are ideal for deployment by trained personnel and can be easily stored in home first-aid kits, ensuring quick accessibility during critical situations.

Rugged durability and reliability in demanding conditions

With an impressive IP65 rating for dust and water resistance, the device is designed for operation in the harshest environments. Its reinforced construction ensures exceptional performance under extreme conditions, demonstrating remarkable resilience to various environmental challenges.

Additionally, it has successfully passed a rigorous drop test from 1.5 metres, confirming its ability to withstand emergencies in tough situations.

Product model	P3 AED
Size (H x W x L) cms:	5.3 x 8.6 x 15
Weight (including batteries, pads):	Less than 0.7kg
Child Mode:	Yes
Dust & Water Resistance Level:	IP65
Drop Impact Resistance:	1.5m

Product Highlights

- Patented Tiny Combine™ technology:
  1. Portable and lightweight – 5.3(H) x 8.6(W) x 15cm(L) <0.7kg
  2. IP65 protects against dust and wet environments
  3. Drop tested to 1.5 metres
- One-touch power on, and one-touch defibrillation functions
- Smart Voice Guidance
- Optional rechargeable battery
- Smart pads (suitable for both adults and children) with a 5-year lifespan, allowing for biphasic shock
- CPR features with metronome
- Time to shock less than 8 seconds
- Algorithm capable of detecting implants such as pacemaker and internal defibrillator
- Pacemaker pulse detection
- 24 hours of ECG data
- Daily self-testing ensures device is ready for use
- Support 4G mobile communication and GPS positioning
- Pull-strap opening from pads back cover, accessible in 1 second
- MDR Approved

Specifications

Defibrillator

Waveform: Biphasic Truncated Exponential (BTE) Waveform

Impedance Range: 20 - 180Ω

Energy Level: Adults, energy output at 50Ω impedance: 150J; Children, energy output at 50Ω impedance: 50J

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

CPR Protocol: Comply with ERC/AHA 2020 guideline

Charge/Discharge Time (Rechargeable Battery):
The time from the initial rhythm analysis to when the shock can be performed: Typically within 10 seconds

Charge/Discharge Time (Disposable Battery):
The time from the initial rhythm analysis to when the shock can be performed: Typically less than 17 seconds

Arrhythmia Analysis

Accuracy: Comply with IEC60601-2-4 requirements

Analysis Time: Typically 8 seconds

Controls

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

Certification: ISO13485, NMPA

Safety Standard:

- IEC 60601-1:2005+A1:2012+A2:2020
- IEC 60601-1-6:2010+A1:2013+A2:2020
- IEC 60601-1-2:2014+A1:2020
- IEC 60601-1-12:2014+A1:2020
- IEC 60601-1-11:2015+A1:2020
- IEC 60601-2-4:2010+A1:2018
- IEC 62304:2006+A1:2015
- IEC 61508-1:2010
- IEC 60086-4:2019
- IEC 62133-2:2017+A1:2021
- IEC 62366-1:2015+A1:2020
- ISO 14971:2019+A11:2021
- ISO 15223-1:2021
- ISO 20417:2021
- ISO 17664-2:2023
- ISTA 2A-2011

User Interface

User Guidance: Voice and light guidance

Function Button (P1): Users can adjust the volume, switch between rescue mode and VF/VT detection mode

Child Button (P2): Easily switch to Child Mode

Device Status Indicator: Visual 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 requires maintenance

Environmental Parameters

Operating Temperature (P1 Device): -15°C ~ +50°C

Storage Temperature: -0°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 and pads uninstalled

Atmospheric Pressure: 59,4KPa ~ 106KPa

Relative Humidity: 0% ~ 95% (no condensation)

Ingress Protection: IP65

Altitude: -382M ~ 5000M

Physical Characteristics

Height: 5.3 cm

Width: 8.6 cm

Depth: 15 cm

Weight: 0.7kg (including battery and pads)

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

Accessories (Disposable Battery)

Type: Lithium manganese dioxide (LiMnO2 Battery), 12V/1500mAh (Standard)

Capacity: At 20°±2°C, the new battery can discharge 130 times at 150J

Operation Life (standby): 3 years (typical)

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

Accessories (Rechargeable Battery)

Type: Lithium Ion (Li-ion Battery), 7V/3450mAh (Optional)

Capacity: At 20°±2°C, the new battery can discharge 250 times at 150J

Operation Life (standby): 3 months before recharge

Recharge Times: 3 hours and 40 minutes or less

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

Accessories (Pads)

Pads: Suitable for both adult and child

Operating Temperature: -5°C ~ +50°C

Operation Life (standby): 5 years

Cable Length: ≥ 1.0M

Storage Space: Pads can be stored in the pads storage box at the back of the device

Communications

Communication: Bluetooth/GPS positioning

Overall Device

Date of Production: See label on the back of the device

Service Life: 10 years

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