



VIVEST P3 Pocket AED Semi-Automatic Defibrillator

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

Defibrillator

Waveform: Biphasic Truncated Exponential (BTE) Waveform

Impedance Range: 20 - 180Ω

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

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:

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

User Interface

User Guidance: Voice and light guidance

Child Button: 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: -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°C±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°C±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