

POCKETAED

PRODUCT DATA SHEET

VIVEST P1 Pocket AED Semi-Automatic Defibrillator

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 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 4 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 mobile communication 4G and GPS positioning
- Pull-strap opening from pads back cover, accessible in 1 second
- MDR Approved

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Specifications

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 within 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)

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

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

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°±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 adult

Shelf Life: 4 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