VIVEST X1

Semi-Automatic AED

VIVEST

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 X1 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	X 1 AED
Size (H x W x D) cms	23.2 x 20.9 x 5.9
Protection grade	IP55
Daily self check	Yes
Pediatric mode	Yes
Pads shelf-life	4 years

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)
- 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
- 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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VERS: AT-PBX101-1.4

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 Protocal: Comply with AHA 2020 guideline

Charge/Discharge Time: The time from the inital 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, CE

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: A1 has 114 mm (W)x87 mm (A) graphic panel.

User Guidance: X1 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
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/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 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.

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