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## **Vivest AED X1 defibrillator (New)**

New,

PRC Manufacturing,

Vivest PowerBeat X1 semi-automatic defibrillator offering visual and voice first aid instructions (using the AED) in real time. The device supports rescuers in performing effective cardiopulmonary resuscitation in accordance with AHA 2020 guidelines,

Features and benefits of the defibrillator:

Semi-automatic operation: the defibrillation shock is triggered with the push of a button, when the shock button flashes then the device is ready to release the electrical impulse,

Iconographics and loudspeaker: instruct step-by-step how to provide assistance with backlit iconographics and voice messages,

Message language: Polish,

Universal electrodes: for defibrillation of adults and children,

Pediatric mode: change the operation of the device to child mode (after pressing the adult/child button for 3 seconds), reduces the shock energy to 50 J, and allows defibrillation of children using the same electrodes as for adults,

Self-tests: automatic: daily, weekly, monthly and quarterly; manual: self-test after installing batteries, self-test after turning on the device, service self-test,

Data recording: thanks to a memory card, the defibrillator has the ability to record patient parameters or a full record of rescue actions,

Durable battery: provides a 5-year standby period or allows 200 (+/-10) discharges,

IP55: waterproof, dustproof,

Interface:

On/Off button,

LED: status of the system, electrodes, battery - a flashing green light indicates that the device is working properly, a flashing red light indicates that the device is not working properly,

Color panel with illuminated lights: electrodes indicator, heart rhythm analysis indicator, CPR indicator,

Adult/child mode change button: change the operation of the device from adult mode to pediatric mode,

Discharge button: when the button flashes the device is ready to administer a defibrillation shock,

Speaker: metronome and voice instructions for the user,

Defibrillation parameters:

Output energy: for adult patients is 150 J at 50 Ω, for pediatric patients is 50 J at 50 Ω,

CPR interval: approximately 7 seconds,

Waveform: biphasic, exponentially truncated,

ECG:

Level II ECG lead,

Frequency response from 1 Hz to 30 Hz,

Patient impedance range 20 Ω to 180 Ω,

Meets requirements: IEC 60601-2-4 and AHA 2020,

Self-tests:

Automatic: self-diagnostic tests (daily, weekly, monthly, quarterly),

Manually: battery installation self-test (performed when the user inserts the battery into the appropriate place in the device), self-test when the device is turned on, service self-test,

Battery:

Type: lithium-manganese (Li/MnO<sub>2</sub>) battery, non-rechargeable,

Capacity: 12.0 V / 3000 mAh,

Battery life: up to 7 years (in "standby" mode up to 5 years),

Discharge capacity: up to 200 discharges at 150 J,

Electrodes:

Type: disposable, universal (for adults and children),

Shelf life: up to 5 years,

Cable length: 1.1 m,

Conductive area: 76 cm<sup>2</sup>,

Storage space: pocket on the back of the device,

Memory and connectivity:

Event and ECG memory: up to 8 hours,

Self-test memory: 3650 reports,

USB 2.0 port: data available for export includes configuration data, ECG data, impedance data, self-test and work log data, etc.,

Bluetooth module: for data export and service activities,

File system: FAT32,

Operating and storage conditions:

Operating temperature: -10°C to +50°C (can operate for at least 60 minutes after moving to -20°C environment from room temperature),

Storage/transport temperature: -40°C to +70°C (short-term <7 days),

Storage temperature: 5°C to +50°C (long-term),

Relative humidity: 5-95% (non-condensing),

Air pressure: 59.4kPa to 106kPa (-382m to +4283m)

Safety and certifications:

Degree of protection: IP55 (dustproof and waterproof),

Mechanical resistance: drop test from a height of 1.5m,

Standards: IEC 60601-1:2005+AMD1:2012+AMD2:2020 CSV; IEC 60601-2-4:2018; IEC 60601-1-2:2014+AMD1:2020 CSV; IEC 60601-

-12:2014+A1:2020 CSV; IEC 60601-1-11:2015+A1:2020; CISPR 11: Group 1, Class B,

Certifications: ISO 13485, CE,

Weight and dimensions:

Dimensions and weight: height: 23.2 cm, width: 20.9 cm, depth: 5.9 cm,

Weight: 1.5 kg (with battery and electrodes),

Included:

AED PowerBeat X1 Defibrillator,

Universal electrodes (1 set),

Lithium-manganese battery,

Instruction manual,

Has a current Technical Passport issued,

Warranty: 8 years,

Financing options (Poland only): Installments, Leasing, Loan,

