|  |  |  |
| --- | --- | --- |
| **Discharge** | | |
| Pulse shape | Bipolar (bi-phase) trapezoidal with impedance compensation patient | |
| Discharge energy | Adult mode: (170 - 200) J (± 15%)  Children's mode: (45 - 50) J (± 15%) | |
| Mode | Semi automatic | |
| **Electrocardiogram** | | |
| Leads | II (RA, LL) | |
| Chest Resistance Range | (25 – 200) Ohm | |
| Heart rate | (20 - 300) beats / min | |
| HR error | 1 beats / min | |
| Recognition | Ventricular fibrillation (VF) | ≥0,2 мВ |
| Ventricular tachycardia (VT) | ≥160 уд/мин |
| Electrode connection | Sound confirmation | |
| Frequency | (0.5 - 30) Hz | |
| **Control** | | |
| Main | Lid open button, Patient mode switch, Discharge button | |
| **Indicators** | | |
| Visuals | Action indicators panel, status display (status АДА15, battery, temperature),  LED indicators (patient mode switch) | |
| Sonic | Speaker (voice prompts):  Sound intensity at a distance of 1 m from the AED A15, not more |  |
| Buzzer (beeps (SLR)):  Sound intensity at a distance of 1 m from the AED A15, not more  Acoustic buzzer frequency | 2300±300 Гц |

#### Physical characteristics

|  |  |
| --- | --- |
| Dimensions | Not more than (240 × 294 × 95) mm (W × H × D) |
| Weight | No more than 2.65 kg with battery without electrodes |

#### terms of Use

|  |  |
| --- | --- |
| Operation / Standby | |
| Temperature | (0…43) °C |
| Relative humidity | (5 - 95)% (without moisture condensation) |
| Working height | (0 - 4575) m |
| Allowable drop height | 1 m |
| Dust and water tightness | IP54 (IEC60529) |
| Note: The standby mode alerts you to the periodic self-test run when the battery is installed in the AED AED | |
| Storage (in transport packaging) | |
| Temperature | (-20…60) °C |
| Relative humidity | (5 – 95) % (without moisture condensation) |
| Working height | (0 – 12192) m |
| Self test | |
| Temperature | (0…43) °C |
| Periodicity | Every 24 hours, once a week, once a month |
| Results | Status display shows “O” or “X” |
| Note: Self-testing can be started only when the battery is installed | |

#### Backup storage and transmission

|  |  |
| --- | --- |
| Standard | SD card, IR port |

#### Disposable electrodes

|  |  |
| --- | --- |
| Adults / Baby Electrodes | |
| Shelf life | 2 years from date of manufacture |
| Electrodes | Disposable electrodes |
| Location | Adults: Front-side  Baby: Antero-posterior |
| Minimum number of digits at maximum energy | 10 discharges with energy 200 J |
| Total electrode area | 120 см2 (±5 %) |
| Minimum active (gel coated) electrode area | 80 cm2 |
| Electrode adhesive ring width | 11 mm (±5 %) |
| Electrode cable length | Not less than 2 m |
| Environmental conditions | |
| Temperature | Operation: (0 ... 43) ° C  Storage: (0 ... 43) ° C |
| Relative humidity | (5 – 95) % (without moisture condensation) |

#### Battery power

|  |  |
| --- | --- |
| Type | LiMnO2, non-rechargeable, long life |
| Voltage / Capacity | 15 V, 4200 mAh |
| Shelf life (in original packaging) | 2 years from date of manufacture |
| Standby time (when connected to the AED A15) | 5 years from date of manufacture |
| Capacity | At least 200 discharges with an energy of 200 J (excluding the  period between CPR and defibrillation) or 10 hours of operation  in monitoring mode at an ambient temperature of 20 ° C |
| Environmental conditions | |
| Temperature | Operation: (0 ... 43) ° C  Storage: (0 ... 43) ° C |
| Relative humidity | (5 – 95) % (without moisture condensation) |