



## **Manual and semiautomatic (AED) defibrillator with monitor**

RESCUE Life is a manual and semiautomatic (AED) defibrillator with monitor. RESCUE Life is lightweight and portable device Italian made. It is extremely intuitive and simple-to-navigate user interface for an effective and immediate use to deliver defibrillation shock during rescue operation. The user can do the analysis of the patient thanks to a brilliant TFT COLOUR 5.7 inch display and select the energy directly through the innovative multi function trim knob from 2 to 230 J. Rescue Life may also be used to ECG monitoring, connecting the 3/5 or 10 -leads ECG cable. ECG, events and usage review are recorded into 50 Hrs internal memory capacity. The user can set up the heart rate and SpO2 alarms. Suitable for intensive care units and ambulance use in every type of situation and for heavy duties. It can be also equipped with external pacemaker and internal defibrillation paddles.

- *Brilliant TFT color display with wide angle viewing*
- *Semiautomatic (AED) and Advisory mode (optional)*
- *Extremely intuitive for an effective and immediate use*
- *Compact and lightweight for every emergency situation*
- *Simple-to-navigate user interface thanks to multifunction trim knob*
- *Internal memory for 50 hours ECG, events and usage review recording*
- *Synchronized cardioversion*

# SPECIFICATIONS

## Rescue Life

### TECHNICAL SPECIFICATIONS

- Dimension: 369x240x340mm
- Weight: 5,5 kg with battery
- Electrical: AC 100-240 VAC, 50/60 Hz, rechargeable 14.4V - 2Ah NiMh battery
- Capacity: 100 shocks at 230J with battery fully charged
- Software: voice and texts multilanguage
- Memory: flash card 512 Mb. Min. 50 hours of continuous ECG monitoring
- recording, events and usage review

### ENVIRONMENTAL

- Temperature: operational -5°~+55° C; storage -20°~+70°C; relative humidity 10~95%;
- Isolation: ECG typeCF, defibrillation type BF
- Water proof: class IPX4

### DEFIBRILLATION

- Waveform: Biphasic Truncated Exponential (BTE); HiCAP technology (Large Storage Capacitor)
- Impedance: compensated, range 25~200 Ohm
- Charge time: < 6 sec for 230J with battery fully charged

### AED MODE (OPTIONAL)

- Energy: fixed energy at 150J
- Protocol: AHA 2005 CPR Guidelines with voice and text prompts
- Shockable rhythms:VF with amplitude >100µV and VT with rhythm >150 bpm
- Sensitivity: shockable rhythm-VF >95%; shockable rhythm-VT >90%
- Specificity: according to AHA / AAMI DF 39 normal sinusoidal rhythm > 99%; asystole and other non-shockable rhythms >95%

### MANUAL MODE

- Energy range: 2~230J (from 2-10J in 1J step; from 10 to 230J in 5J steps)
- Commands: multifunction trim knob. Charge and shock button directly in the front panel for hands free defibril.
- Paddles: reusable adult & pediatric defibrillation paddles with charge/shock command.
- Disposable defibrillation pads and internal defibrillation paddles (optional)
- Operating mode: ECG « R » wave synchro or asynchro mode
- Indicators: battery and main led indicators. Clear and visible backlight color buttons.

### DISPLAY

- Type: high contrast TFT color LCD 5.7" (320x240 pixels)
- Information: operational information, ECG/SpO2 traces and parameters, Heart Rate indicator, filters, alarms.

### ECG MONITORING

- Bandwidth: 0.5 - 120 Hz (-3db) with filters off
- CMRR: > 90 db
- Input impedance: > 20 MOhm
- Input: patient cable 3 leads (I,II,III aVL,aVR,aVF) - standard; patient cable
- 5 leads (I,II,III,aVL,aVR,aVF, Vx) - optional; patient cable 10 leads (12 channels ECG) - (OPTIONAL)
- Gain: 5,10, 20 mm/mV with patient cable. AUTO with pads
- Velocity: 5, 10, 25, 50 mm/sec
- Filters: 50/60 Hz, low pass, base line
- HR range: 20~300 bpm (±2%), digital readout on the display
- Alarm: HR max. settable 250 bpm; HR min. 20 bpm

### SPO2 (OPTIONAL)

- SpO2 range: 0~100%
- HR range: 18~300 ppm
- Accuracy: 70~100% ±2 % for adults with finger clip sensor
- Alarm: adjustable min. 65%

### PRINTER

- Type: integrated thermal printer for ECG traces and events documentation hardcopy including HR/SpO2 values
- Paper speed: 5, 10, 25 mm/sec
- Paper width: 58 mm
- Operating mode: manual, automatic (10 sec pre and post shock recording)

### EXTERNAL PACEMAKER (OPTIONAL)

- Type: rectangular wave
- Operating mode: fixed, on demand
- Pulse rate: 0 ppm to 180 ppm, adjustable in steps of 5ppm
- Impulse duration: 22 ms
- Pulse current: 0 to 150 mA adjustable in steps of 5mA
- Amplitude: Max 150V

### STANDARDS & SAFETY

IEC 60601-1-2-4; IEC 60601-1; IEC 60601-1-2; AAMI DF 39 ; Class II, type BF; CE Mark EEC 93/42 (Medical device, class IIB)