



**progetti**<sup>®</sup>  
Medical Equipment Solutions

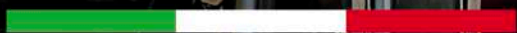
# RESCUE SAM 4.0D

*Automated external defibrillator*

Made in Italy

DEFIBRILLATOR

DEFIBRILLATOR





- + FAST
- + HIGH-PERFORMING
- + SAFETY =
- + LIVES SAVED

Speed of action is essential for effective first aid. **Rescue SAM 4.0 optimises the analysis time** for detecting the rhythm that can be defibrillated and rapid energy charge.

## 4-CORE ANALYSIS

The continuous analysis system works with **4 different algorithms** that make RESCUE SAM 4.0 safer and even more reliable. Thanks to the **elimination of disturbances and external noises**, it guarantees the highest quality analysis of the ECG signal when detecting the arrhythmia that can be defibrillated.

GOOD  
DESIGN

Award 2021







## + ADVANTAGES

### + PRECISE

### + SAFE

### + MULTIMEDIA

Rescue SAM 4.0 is Progetti Medical's most advanced defibrillator. It offers a number of unique benefits:



continuous **ECG analysis** system



"PureVoice" audio system



quick and easy update via PC



even larger **colour display**



**ergonomic design** with side handles



**volume reduced by 30%** compared to older models



integrated compartment for **pre-connected plates**



**plate presence** control

## DEVELOPMENTS

### THAT IMPROVE LIVES

Rescue SAM 4.0's smart connection system **recognises the plates and sets the shock to the most appropriate protocol for the adult or paediatric patient.**

The special connector has been made to ensure the best construction standards.



*Also available in the version without screen*



## EVERYTHING YOU CAN'T DO WITHOUT

**Your AED, always monitored.** Rescue's smart periodic control system SAM 4.0 performs different types of tests, including battery insertion tests, and daily, weekly and monthly tests to ensure proper operation, reporting the status with a clearly visible LED.

**Your AED is always ready** thanks to a plate system already connected to the device for rapid application to the patient's chest.

**Battery management is always optimised**, thanks to the internal memory that constantly records its use.

**200 full-energy shocks** or 12 hours of use, ensuring long working autonomy for users.

**Multilingual software**, allows simultaneously using 2 languages in the same device.

**Intervention recording**, 16 hours of ECG trace memory and environmental recording with relative events which can be reviewed and managed on SAM data manager software.

**AED always updated** quickly and easily via PC or simply with a USB stick.

**Easily manage your data** through the USB connectivity of the management software, which can also be used with other Progetti Medical devices.

**Maximum safety** thanks to the high protection and safety standards of the medical devices.

**Ergonomic carrying bag**, facilitates transport and holds many useful first aid accessories.

## AN ENTIRELY DIFFERENT DISPLAY

The large, high visibility 7" colour display ensures a **complete, fast, clear, and easily manageable reading of vital signs** through an intuitive interface that guides users in displaying the main parameters.

## PUSHED TO THE LIMIT SO IT CAN ALWAYS BE USED



**Rescue Sam 4.0D was designed to also be used in the most extreme emergencies.** It was therefore subjected to countless tests by accredited, avant-garde laboratories, who worked to ensure that our devices are durable, sustainable and safe and that they can withstand shocks, impacts and the entry of dust and liquids (IP55).



## TWO BUTTONS THAT SAVE LIVES

We have minimised the use of the defibrillator to the bare essentials: **2 buttons for the entire rescue operation, a voice guide and a high-visibility display** allow the first responder to work in any situation with complete peace of mind and safety.

## ITS VOICE YOUR GUIDE

Rescue Sam 4.0's "PureVoice" audio system was designed to ensure **perfect understanding in any situation with noise disturbance**.

Wherever you are, Rescue SAM 4.0's voice will always be ready to guide you.



## TECHNICAL SPECIFICATIONS

### DEFIBRILLATOR

**How to use:** semi-automatic, for adult and paediatric use.

**Waveform:** Biphasic Truncated Exponential (BTE) controlled by impedance measurement.

**Energy:**

adults: fixed at 200J - paediatric: less than 50J

**Charging time from discharge warning:** <8 seconds to 200J with new battery; <5 seconds at 50J on paediatric patients.

**Pacemaker detection:** detection and removal of the artefact created by the pacemaker

### DISPLAY

**Type:** 7" colour LCD, resolution 800x480 pixels

Brightness control: 10 settable levels

### ECG

**Band:** ECG displayed: 0.25 - 160 Hz

**CMRR:** 120 dB

**Input impedance:** >500MΩ

**Amplitude:** 25 mm/mV

**Speed:** 37.5 mm/s

**Filters:** fixed filters for removing supply disturbances, baseline wandering and signal conditioning

**HR frequency range:** 20 - 300 bpm

### PHYSICAL & ENVIRONMENTAL

**Dimensions:** 250 x 260 x 80 mm

**Weight:** 2.2 kg including battery and standard accessories

**Protection class:** IP 55

**Operating temperature:** -20°- 60 °C

### BATTERY

**Characteristics:** 12V DC, 4200mAh non-chargeable long-lasting lithium-manganese battery, internal memory.

**Capacity:** up to 12 hours in continuous operation or up to 200 shocks at maximum energy 200 J

### AUTOMATIC SELF-TEST

Battery insertion test, Daily, Weekly, Monthly Tests, Battery check

### DATA RECORDING AND TRANSFER

**Internal memory:** up to 16 hours recording ECG tracing and events

**Environmental recording:** >2 hours (optional)

### CONNECTIVITY

**USB:** standard, micro-B

### STANDARDS AND SAFETY

**IEC standard:** EN 60601-1; EN 60601-1-1; EN 60601-1-2; EN 60601-2-4

**EC mark:** EEC 93/42, medical device



## BY YOUR SIDE TO SAVE LIVES

**With the RESCUE SAM 4.0 series, our most evolved defibrillators, we take a further step forward to help those who save lives.**

For 30 years, Progetti Medical has been enthusiastically and passionately investing in research and development, studying cutting-edge materials and technologies to always ensure innovative products.

**Rescue SAM 4.0, the defibrillator of the future.**



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