

# Defibrillator C-15



# Defibrillator C-15

## EASY TO CARRY

Compact, lightweight, and durable. Powered with removable batteries to ensure high efficiency even in demanding scenarios.

## READY TO RESPOND

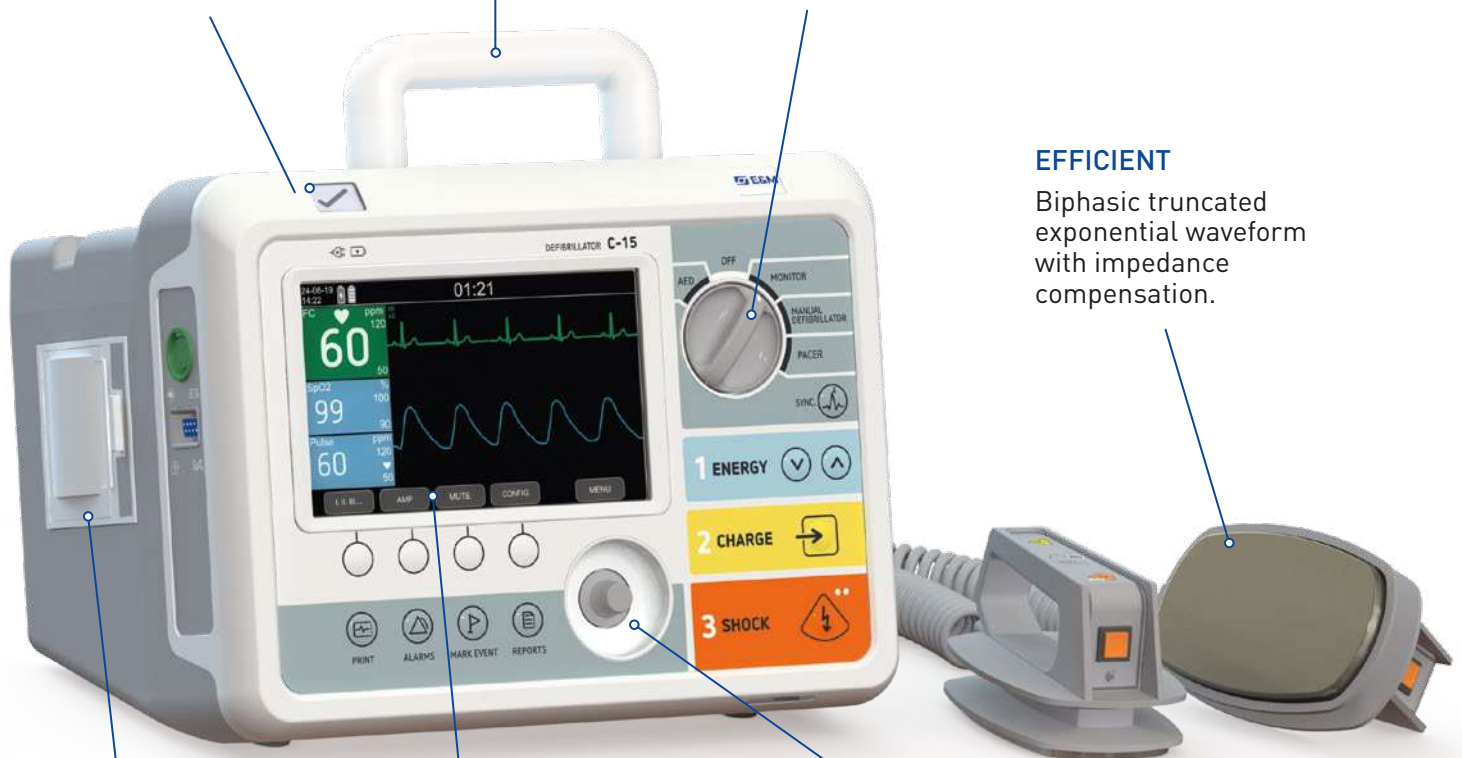
Automated self-tests keep the user daily informed of the unit's status.

## 4 IN 1 DESIGN

Direct access to monitoring, Manual Defib, AED and Pacer.

## EFFICIENT

Biphasic truncated exponential waveform with impedance compensation.



## BUILT IN PRINTER

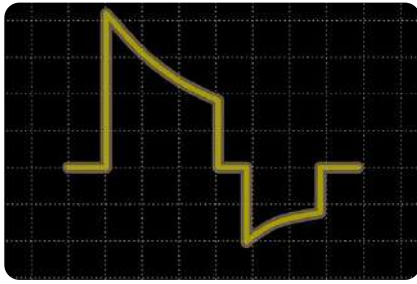
Saves ECG, SpO2, IBP waveforms and all of the numerical data stored during usage.

## POWERFULL INTERFACE

A high resolution screen presents the information needed and adapts to each setting accordingly.

## INTUITIVE

Built in programmable keypad and browsable menu to reach advanced settings.



### BIPHASIC WAVEFORM

Biphasic truncated exponential waveform with impedance compensation. Defibrillation up to 360 Joules. Manual, Automatic and synchronous cardioversion defibrillation.



### AED

In AED mode, the defibrillator automatically analyzes the rhythm and determines whether a shock is advised. Voice and text prompts guide the user through the process. Voice recording is also available.



### DUAL BATTERY

Removable and rechargeable batteries keep the unit in constant operation. Each battery supports up to 6 hours operating time or 100 full energy shocks.



### ADAPTIVE

A wide range of accessories and optional functions allow the user to set up the equipment in order to fit the needs of a variety of departments.



### WARRANTY EXTENDED

3 years of warranty, with a low cost of operative maintenance.



### HIGH CONNECTIVITY

Memory storage trends, waveforms and events of each patient. Easy PC connection to download and edit data.



### LIGHTWEIGHT

Weight less than 5 kg (11lb), making it compact and easy to operate during emergencies.

## Specifications and performance characteristics

### ECG

ECG curve display, QRS waveform, heart rate, alarm limits, lead, size and volume.

ECG is monitored via several cable arrangements:

A 3-wire cable is used for 3-lead ECG monitoring.

A 5-wire cable is used for 7-lead ECG monitoring.

Standard paddles or multifunction defibrillation electrode pads pacing/defibrillation/ECG electrodes are used for paddles lead monitoring. Message and dashed line displayed, if an electrode or lead wire becomes disconnected.

Patient circuit protected against defibrillator discharges.

**Display speed:** 25 - 50 mm/s.

**Notch filter:** 50Hz / 60Hz.

**Size control:** 0.25 - 0.5 - 1 - 2 - 4 cm/mV.

**QRS:** visual and audio indication with volume setting.

**Heart rate and alarm:** display rate between 20 and 250 ppm.

**Alarms:** Two sets of presetting values between 20 and 250 ppm in steps of 5 ppm, Non-Latching.

### SpO2 (OPTIONAL)

Oxygen partial saturation measurement in blood using the spectrophotometer method.

SpO2 rate display, alarm limit, heart rate and heart pulse.

**Range:** 0 to 100%.

**Pulse rate range:** 30 to 254 ppm.

**Alarms:** Two sets of presetting values between 10 and 100% in steps of 5, Non-Latching.

### DEFIBRILLATOR

Biphasic truncated exponential. Waveform parameters adjusted as a function of patient impedance.

**Energy select:** 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 20, 30, 50, 75, 100, 150, 200, 300 and 360 J.

Automatic maximum energy limitation to 50J when using internal defibrillation paddles.

**Charge time:** less than 10 seconds to the selected energy level (up to 360J) with a new fully charged battery installed.

Shock delivery via multifunction electrode pads or paddles

**Synchronous cardioversion:** Energy transfer begins within 60 msec of the QRS peak.

**Patient impedance range:** 25 - 175 Ohm.

Internal safety discharge with accumulated energy not delivered after more than 30 seconds.

Automated defibrillator self-tests run daily, with event record.

### AUTOMATED EXTERNAL DEFIBRILLATOR (OPTIONAL)

Biphasic truncated exponential. Waveform parameters adjusted as a function of patient impedance.

**Energy select:** preset at 100J, 150J, 200J.

Shock delivery via multifunction electrode pads.

**Patient impedance range:** 25 - 175 Ohm.

### PACER (OPTIONAL)

**Output wave form:** Monophasic, truncated exponential current pulse (20msec)

**Pacing Mode:** Demand or non-demand rate and current defaults (user configurable)

**Pacing Rate:** 30 to 180 ppm, in steps of 10 ppm.

**Output Current:** 0 to 200 mA, in steps of 10 mA.

**Refractory Period:** 340 ms (from 30 to 80 ppm), 240 ms (from 90 to 180 ppm).

### PRINTER (OPTIONAL)

Thermal array printer 600 dpi.

**Speed:** 25 and 50 mm/Sec.

**Paper Size:** 50mm x 20m.

ECG trace in real time with date, time, heart rate, lead, size and trace speed.

### DATA MANAGEMENT

Events summary: storage in permanent memory of up to 50 consecutive events. With date, time, defibrillator discharges details and alarm events.

Defibrillation reports: Up to 20 defibrillator discharge reports, with date, time energy and pre-shock and post shock ECG waveforms.

### GENERAL

**Dimensions:** 305 mm (W) x 260 mm (H) x 200 mm (D)

**Weight:** 4.9Kg without accessories.

**Display:** TFT Color LCD, 7", Resolution 800 x 480 pixels.

### POWER

**Input power range:** 100-240 Vac, 50/60 Hz.

**Batteries:** Two rechargeable Lithium-ion batteries.

**Battery capacity:** At least 6 hours of monitoring or 120 defibrillation discharges at maximum energy



## Soluciones Tecnológicas para la Salud S.A.

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