

**Bexen cardio**  
Ready for life



## Reanibex 500 EMS

The most compact  
multiparameter  
Monitor  
Defibrillator of  
the market

Biphasic Manual and AED  
up to 360J

Universal AED algorithm for  
adult and paediatric patients

Non invasive pacing

SpO2

EtCO2

12 leads

Up to six ECG waveforms

CPR guidance device in real  
time ( Push Pad)

Data transmission  
(GSM, Bluetooth, USB...)

# Reanibex 500 EMS. Compact. Lightweight.



## FEATURES

- Biphasic technology.
- Universal AED algorithm for adult and paediatric patients.
- Lightweight unit with multiparameter monitoring capabilities.
- 4+6 leads patient cable.
- Synchronized Cardioversion.
- Non-invasive pacing (optional).
- Pulse Oximetry with Masimo SET for adult and paediatric patients (optional).
- Capnography from Masimo SET (optional).
- Respiration rate (optional).
- “Push Pad” device, reports the quality of the frequency and depth of chest compressions in real time (optional).
- Configured according to ERC/ AHA guidelines 2015 and its review of 2017.
- Automatic daily selftest ensures the device continual readiness.
- Data transmission (GSM, Bluetooth, USB) to EMS, Hospitals... configured according to the user needs (optional).
- Rugged and durable design for any environment.

## ACCESSORIES

- Adult and paediatric disposable electrodes for defibrillation.
- Adult and paediatric ECG electrodes.
- Carrying case (1).
- Ambulance bracket (EN 1789:2007 certified) (2).
- 4+6 leads patient cable.
- SpO2 probes from Masimo SET.
- EtCO2 probes from Masimo SET.
- “Push Pad” device.
- Rechargeable and non rechargeable battery (3).
- External dual battery charger 12 V (DC) or 220V (AC).
- External battery charger.
- Rechargeable battery for autotraining mode (4).
- “REANIBEX Data Manager, Data Link, Data Cloud” software application to manage and organize all the data gathered.



## Bexen cardio

Osatu, S.Coop.  
Edificio Zearrekobueta  
Subida de Areitio, 5  
48260 Ermua (Spain)

Tel: +34 943 170 220  
Fax: +34 943 170 227  
info@bexencardio.com  
www.bexencardio.com



# Reanibex 500 EMS | Technical Specifications

## GENERAL

Dimensions	290 mm (W) x 245 mm (D) x 100 mm (H)
Weight	2.9 Kg with battery

## DEFIBRILLATOR

Waveform	Biphasic truncated exponential adjusted to the impedance of the patient
Charging Time	Less than 5 seconds at 200 Joules with a new fully charged battery Less than 7 seconds at 360 Joules with a new fully charged battery
Indicators	On screen and audible messages, status indicators, battery level indicator and CPR help with feedback.
CPR Help	Metronome with compressions rate feedback in real time With the push-pad device option: compressions rate and depth feedback in real time
Available energy indicators	Charging tone, available energy tone, flashing discharge button, audible messages, indication of energy level on the screen

## MANUAL MODE

Output energy	Adult patients: 5 - 10 - 15 - 20 - 30 - 40 - 45 - 50 - 65 - 75 - 90 - 150 - 175 - 200 - 250 - 300 - 360 Joules Pediatric patients: 5 - 10 - 15 - 20 - 30 - 40 - 45 - 50 - 65 - 75 - 90 Joules
Synchronized cardioversion	Yes

## AED MODE

Defibrillable rhythms	Ventricular fibrillations and rapid ventricular tachycardias
Output energy	From 150 to 360 Joules for adult patients From 40 to 90 Joules for pediatric patients
Specificity and sensitivity of the detection algorithm	Fulfills AHA requirements
Resuscitation guidelines	Factory set Guidelines 2015 (ERC/AHA) and its review of 2017.

## MONITOR MODE

Inputs	4+6 leadwires patient cable: I, II, III, aVR, aVL, aVR and V1 to V6. The ECG signal can be obtained through disposable multifunction electrodes and through the patient cable. 3+3 ECG waveforms can be displayed simultaneously.
Sensitivity	0.5, 1, 2, 4 cm/mV and autogain
Heart Rate	From 15 to 300 bpm (accuracy of $\pm 10\%$ )
Common mode rejection	> 90 dBs (IEC 60601-2-27)
Frequency response	On screen: 0.67 - 40 Hz or 1 - 30 Hz. For 12 lead ECG acquisition: 0.05 - 150 Hz.

---

**SCREEN**

Size	5,7 " (diagonal)
Type	TFT Colour
Resolution	480 x 640 pixels
Sweep rate	25 mm/sec for the ECG and SpO2 waveforms, 6.25 or 12.5 mm/sec for the EtCO2 waveform
Display time	4 seconds of ECG signal

---

**PACEMAKER (optional)**

Waveform	Rectangular constant current
Pulse width	40 ms (precisión of $\pm 10 \%$ )
Amplitude	From 0 to 200 mA (accuracy of $\pm 10 \%$ )
Frequency	De 30 a 180 ppm (accuracy of $\pm 10 \%$ )
Operating modes	Fixed and on demand
Refractory period	340 ms from 30 to 80 ppm; 240 ms from 85 to 180 ppm

---

**PULSE OXIMETRY(optional)**

Range	From 0 to 100 %
Accuracy	Without movement: $\leq 2\%$ , With movement: $\leq 3\%$
Pulse frequency	From 25 to 240 ppm
Pulse frequency accuracy	Without movement: $\leq 3$ ppm , with movement: $\leq 5$ ppm

---

**CAPNOGRAPHY(optional)**

Range	0-15 vol%
Accuracy	$\pm (0.2 \text{ vol}\% + 2 \%$ of reading)
Sampling flow rate	$50 \pm 10$ ml/min
Respiration rate	0 to $150 \pm 1$ breaths/min
Warm-up time	<10 seconds (concentration reported and full accuracy)

---

**DATA STORAGE**

Internal memory	Stores the continuous ECG signal with all the events and the external audio (the audio only in AED mode). Up to 1GByte.
USB connection	For USB memory stick and for PC connection (if the equipment does not have GSM module)

---

**COMMUNICATIONS (optional)**

Bluetooth	Bluetooth Class 1 radio (range up to 200 meters). Uses 2.4 GHz ISM band (optional).
GSM	Built-in GSM module for data transfer (optional).

---

**REAL-TIME CPR FEEDBACK  
DEVICE (optional)**

Provides real time feedback of the rate and depth of the compressions during the CPR times.

---

## BATTERY

Type	Li-Ion rechargeable battery and Li-SO <sub>2</sub> non-rechargeable battery
Battery indicators	Battery status indicator on screen, low battery indication and absence of battery indication on the status indicator
Capacity	Rechargeable battery: More than 200 discharges at 360 Joules with a new fully charged battery at 25 °C Non-rechargeable battery: More than 270 discharges at 360 Joules at 25 °C

---

## ENVIRONMENT

Operating Temperature	From 0 °C to 40 °C with the Li-Ion battery pack installed From 0 °C to 50 °C with the LiSO <sub>2</sub> battery pack installed From 0 °C to 50 °C with the SpO <sub>2</sub> option From 0 °C to 50 °C with the ISA CO <sub>2</sub> module option
Storage temperature	From -20 °C to 60 °C (except batteries and disposable multifunction electrodes) ISA CO <sub>2</sub> module: -40 °C to 70 °C
Humidity	10 to 95 % non-condensing ISA CO <sub>2</sub> module: < 95% RH at 30 °C
Altitude	0 to 5000 m
Shocks	EN 1789:2007 ISO 80601-2-61:2011 - Shock and vibration for professional transport ISO 80601-2-55:2011 - Shock and vibration for professional transport MIL STD 810 G category 16
Vibrations	EN 1789:2007 ISO 80601-2-61:2011 - Shock and vibration for professional transport ISO 80601-2-55:2011 - Shock and vibration for professional transport MIL STD 810 G category 16
Resistance to solids/liquids	IP45. Water test performed with cables connected to the equipment ISA CO <sub>2</sub> module: IPX4
EMC	Complies with IEC 60601-1-2:2007