Cardiostart
Biphasic Defibrillator Monitor
Standard Accessories

- Carrying Case
- Rechargeable lithium ion battery
- Set of accessories

Other accessories upon request

- Internal Pads
  - Adult / Pediatric / Neonatal
- Power cord
  - other international plugs available upon request
- 12V DC Input cable

The Paddles

- Twist-off Paddles
- Permanent interchangeable adult/pediatric paddles
- Pediatric Detection
Monitor
- 7" High Definition Colored liquid crystal display - LCD for viewing the ECG, Pacemaker, AED mode, Oximetry, Capnography and NIBP parameters; battery status, alarms, day, time and shock counter indicators

Battery Type
- Lithium Ion internal rechargeable battery;
- Battery status indicator - Low, charging and charged;
- Capacity: Ability to perform up to 220 shocks (200 Joules) on a fully charged battery; or 4 Hours of continuous ECG monitoring.
- Low battery alarm - audible and visual
- Battery Life: 5 Years (4 years recommended by the manufacturer to be exchanged)
- Charging time: 4 Hours (when the battery is completely discharged)

Reusable Paddles
- Permanent interchangeable adult / pediatric paddles;
- Energy selection and charging/discharging function
- External paddles contact indicator shows the patient’s chest contact on the display (adult and pediatric use)

Integrated Printer
- Model: Thermal Printer
- Printing Format
  - 1 Channel Automatic or Manual
  - Paper size: 48mm
  - Printer speed: 12.5 mm/s, 25 mm/s, 50 mm/s

ECG
- Standard: 05 lead ECG Patient Cable - 12 derivations (D1, DII, DIII, aVL, aVR, V1 to V6)
- Optional: 03 lead ECG Patient Cable - 03 derivations (D1, DII, DIII)
- Capture the ECG signal via defibrillation pads, transthoracic adhesives of the pacemaker or via ECG Patient cable.
- Heart rate: 10 to 300 bpm
- Audible and visual alarms: Electrode loose, asystole, tachycardia, bradycardia and fibrillation with digital adjustment
- Freeze trace

Data Management
- Internal Memory (2GB) to store 1000 events (Optional)

Defibrillation Electrodes
- Shelf life: 24 months
- Cable length: approx. 1.0m
- Available: Adult and Pediatric hands-free electrodes

Languages Available:
- English and Spanish

Dimensions
- Weight: Approx. 11lbs (5Kg)
- 14 X 11 X 5 inches

Lightweight, portable, easy to carry during emergency cardiac arrest
The best technologies all in one device

1. Easy access to the menu and fast energy selection

2. High Resolution Thermal Printer

3. Visible Shock testing terminals

4. NEW USB for data transfer
Exactly what you need
Customize your device to your requirements

Parameters

AED Mode
Text and Voice Prompts
Beep guidance for CPR
(minimum of 100 Comp/min)
Standard Discharge sequence:
150J, 200J and 200J (other discharge sequence upon request)
Impedance detection in the range of 25 Ohms to 300 Ohms for the shocking procedures;
Automatic ECG Evaluation (shockable and unshockable arrhythmias)

Pulse Oximeter (SpO2)
Pulse Reading Range: 10 to 300BPM
Tolerance: +/- 3%
SpO2 Reading Range: 0% to 100%
Accuracy: 70% - 100%
Alarm for minimum and maximum limits

12V DC Input for ICU Mobile

Capnography (EtCO2)
EtCO2 - Module: Sidestream
CO2 Concentration Reading range:
0 to 50 mmHg
Parameters: EtCO2, CO2 Inhalation,
Respiratory Frequency
Alarm for minimum and maximum limits
Possible to configure for Apnea Alarm

Pacemaker
Modes of operation: FIXED, DEMAND and Emergency
Detection and rejection of pacemaker
Pulse width: 0 ms to 50 ms
Stimulation Frequency: 30 ppm to 200 ppm
Impulse current: 0 mA to 200 mA

Non Invasive Blood Pressure (NIBP)
Operation Mode: Manual and Automatic
Technology: Oscilometric measurement
Reading Range Adult/Child:
40 to 300 mmHg
Reading Range Neonatal: 20 to 150 mmHg
Alarm for minimum and maximum limits
Technical specifications: Defibrillator Monitor – CARDIOSTART

General
Model: CARDIOSTART
Lightweight, portable, easy to carry during emergency cardiac arrest
Suitable for patient transportation
Audible and visual alarms: Electrode loose, asystole, tachycardia, bradycardia and fibrillation with digital adjustment.
Languages Available: English and Spanish

Defibrillation
Biphasic Truncated Exponential BTE Waveform
Standard Selectable Energy: from 1 to 200 Joules (possible to select the energy through the pads, on the front panel and/or through the menu button
Optional: 1 to 270 Joules or 1 to 360 Joules*
Smart safety system that limits the shocking charge up to 50 Joules for pediatric use
Charge time: < 8 seconds at a maximum standard energy level
Synchronized discharge for cardioversion
Internal automatic discharge after 30 seconds if no shock, or manually through the key “cancel charge” at any time
Ventilation & Intubation Software included

Power supply
AC power: 100 - 240 VAC – Automatic – 50/60 Hz
Optional of 12V DC

AED Mode®
Text and Voice Prompts
Beep guidance for CPR (Minimum of 100 Comp/min)
Standard Discharge sequence: 150J, 200J and 200J.
Other discharge sequences upon request
Impedance detection in the range of 25 Ohms to 300 Ohms for the shocking procedures:
Automatic ECG Evaluation (shockable and unshockable arrhythmias)

Pacemaker®
Modes of operation: FIXED, DEMAND and Emergency
Detection and rejection of pacemaker
Pulse width: 0 ms to 50 ms
Stimulation Frequency: 30 ppm to 200 ppm
Impulse current: 0 mA to 200 mA

Dimensions
Weight: Aprox. 11lbs (5Kg)
14 X 11 X 5 inches

ECG
Standard: 05 lead ECG Patient Cable - 12 derivations (DI, DII, DIII, aVL, aVR, AVF, V1 to V6)
Optional: 03 lead ECG Patient Cable - 03 derivations (DI, DII, DIII)
Capture the ECG signal via defibrillation pads, transthoracic adhesives of the pacemaker or via ECG Patient cable.
Heart rate: 10 to 300 bpm
Freeze trace

Battery Type
Lithium ion internal rechargeable battery;
Battery status indicator - Low, charging and charged;
Capacity: Ability to perform up to 220 shocks (200 Joules) on a fully charged battery;
or 4 Hours of continuous ECG monitoring.
Low battery alarm - audible and visual
Battery Life: 5 Years (4 years recommended by the manufacturer to be exchanged)
Charging time: 4 hours when the battery is completely discharged

Rechargeable Batteries
Permanent interchangeable adult / pediatric paddles;
Energy selection and charging/discharging function
External paddles contact indicator shows the patient’s chest contact on the display
(adult and pediatric use)

Defibrillation Electrodes
Shelf life: 24 months
Cable length: approx. 1.0m
Available: Adult and Pediatric hands-free electrodes

Data Management
Internal Memory (2GB) to store 1000 events (Optional)

Integrated Printer
Model: Thermal Printer
Printing Format: 1 Channel Automatic or Manual
Paper size: 48mm
Printer speed: 12.5 mm/s, 25 mm/s, 50 mm/s

Non Invasive Blood Pressure (NIBP)*
Operation Mode: Manual and Automatic
Technology: Oscilometric measurement
Reading Range Adult/Child: 40 to 300 mmHg
Reading Range Neonatal: 20 to 150 mmHg
Alarm for minimum and maximum limits

Pulse Oximeter (SpO2)*
Pulse Reading Range: 10 to 100 BPM
Tolerance: +/- 3%
SpO2 Reading Range: 0% to 100%
Accuracy: 70% - 100%
Alarm for minimum and maximum limits

Accessories (Standard)
Power Cord (US Plug)
5-Lead ECG Patient Cable
EGG Electrodes
EGG Conductive Gel
Thermal Printer Paper
Carrying Case
Reusable Paddles
User Manual
Warranty Certificate
Quickstart Guide

Accessories (Optional)*
Internal Paddles
SpO2 Sensor (adult, pediatric, neonatal)
NIBP cuffs (available in different sizes)
ETCO2 Canula
Disposable Pads (adult, pediatric)

* upon request
MADE IN USA

Other products
Defibstart
Automated external Defibrillator AED

E-Heart
Biphasic Defibrillator Monitor

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