for those who get there first



Heartstart FRx Technical Data Sheet

Defibrillator

Modell Number Heartstart FRx 861304

How Supplied Defibrillator; Battery(1), SMART Pads(I set), Users Guide, Quick Reference Guide

Waveform Truncated Exponential Biphasic. Waveform parametersadjusted as a function of each patient's

impedance

Energy Single energy output. Adult: 150J into a 50-ohm load. Infant/Child: Nominal 50J into a 50-ohm load

Infant/Child: Nominal 50J into a 50-ohm load Protocol Device follows preconfigured settings.

Defibrillator and CPR protocol can be customized using Heartstart Event Review or Heartstart

Configuration Software.

User Interface

CPR Coaching

Instructions Detailed voice prompts and visual icons guide

responder through use of the defibrillator Voice coaching for adult and infant/child CPR provides instructions and audio cues for each

breath, as well as the appropriate number, rate

and depth of chest compressions.

Controls Green on/off button, blue i-button, orange shock

button, optional infant/child key





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Indicators Ready light, blue i-button, caution light, illuminated

pads icons, shock button lights up when shock

is advised.

Physical

Size $6 \times 18 \times 22 \text{ cm} (2.4 \times .7.1 \times 8.9 \text{ inches})$

 $H \times D \times W$

Weight With battery and pads case 1,5Kg Without battery or pads case 1,2Kg

Environmental

Sealing Waterjet proof IPX5 per IEC60529

Dust protected IP5X per IEC60529

Temperature Operating/Standby: 0°-50°C (32° -122° F)

Altitude 0-5.000m(0-15.000 feet)
Aircraft Device: RTCA/DO-160D; 1997

Crush 250Kg (500 pounds)

Vibration Operation:

meets MILSTD 810F Fig.514.5C-17, random

Standby:

meets MILSTD 810F Fig.514.5C-18, swept sine EMI(Radiated/Immunity) CISPR II Group Class B,

IEC 61000-4-3, and IEC61000-4-8

Patient analysis system

Patient Analysis Evaluates patient ECG to determine if a rhythm is

shockable. Rhythms considered shockable are Ventricular Fibrillation(VF), and certain Ventricular Tachycardias(VT) accossiated with lack of circulation. For safety reasons, some VT rhythms associated with circulation will not be interpreted as shockable, and some very low- amplitude or low frequency rhythms will not be interpreted

as shockable VF.

Sensitivity/Specificity Meets AAMI DF80 guidelines and AHA

recommendations for adult defibrillation

(Circulation 1997;95:1677-1682)
Shock Advised Able to deliver a shock as soon as the device

indicates a shock is advised.

Quick Shock Able to deliver a shock after the CPR pause,

typically in eight seconds

Shock-to-Shock Cycle Time Typically less than 20 seconds between

shocks in a series

Artifact Detection Advanced signal processing allows accurate ECG

analysis even in the presence of most pacemaker artifact and electrical noise sources. Other artifacts are detected and corrective voice

prompts issued

Battery

Item Number(s) Standard: M5070A

Aviation: 989803139301 (TSO C-142-US. Only)

Type 9Volt DC, 4,2Ah, lithium manganese dioxide,

disposable long-life primary cell

Capacity Minimum 200 shocks or 4 hours

of operating time

Install-by Date Battery is labeled with an install-by date of at

least five years from date of manufacture

Standby Life Four years typical when battery is installed by

the install-by date. (Will power the AED in standby state within the specified standby temperature range, assuming one battery

insertion test and no uses.

SMART PadsII

Item number 989803139261

How Supplied Disposable pads case containing adhesive

multifunction defibrillator pads. Heartstart plug

style connector clicks into device for preconnected pads solution

Active Surface Area 80cm2 (2,4 2inches)
Cable length 122 cm(48inches)

Use.By Date Pads case is labeled with a use-by date of at least

two years from date of manufacture

Infant/Child Key

Item Number 989803139311

Training Pads II

Item number 989803139271

Function Special pads place Heartstart FRx into training

mode and disable its energy delivery capability.

Features 8 real-world training scenarios

Automated and user-activated self-tests

Automatic self-tests Tests internal circuitry, waveform delivery

system, pads and battery capacity

Pads integrity test
Specifically tests readiness-for-use of pads

(gel moisture)

Battery Insertion Test Upon battery insertion, extensive automatic self-

tests and user-interactive test check device

readiness

Status Indicator Blinking green "Ready" light indicates ready for use

Data recording and transmission

Infrared Wireless transmission of event data to PC or

palmOne™ PDA using the IrDa protocol

Heartstart

Event Review Data management software(optional) for

download and review of data retrieved through

defibrillators infrared port

Data Stored Store first 15 minutes of ECG and the entire

incident's events and analysis decisions.

* Refer to Heartstart FRx Defibrillators User Guide for detailed product instructions. All specifications are based on 25C unless otherwise noted. The defibrillator and its accessories are made of latex-free material.

For more product information, please visit www.laerdal.com

