

### Product Specifications

<b>Defibrillator Number</b>	HeartStart M5066A
<b>Defibrillator Family</b>	HS1
<b>How Supplied</b>	Defibrillator, Owner's Manual, 1 adult SMART Pads cartridge, Quick Reference Guide and Quick Start poster
<b>Waveform</b>	Truncated Exponential Biphasic. Waveform parameters adjusted as a function of each patient's impedance.
<b>Therapy</b>	Adult defibrillation peak current: 32A (150J nominal) into a 50 ohm load. Pediatric defibrillation (with optional Infant/Child SMART Pads Cartridge): 19A (50J nominal) into a 50 ohm load.
<b>Shock-to-Shock Cycle Time</b>	Typically less than 20 seconds between shocks in a series.
<b>Quick Shock</b>	Able to deliver a shock after the end of a CPR interval, typically in eight seconds.
<b>Voice Instructions</b>	Detailed voice messages guide responder through use of the defibrillator.
<b>CPR Coaching</b>	Instructions for adult and infant/child CPR available at user's option.
<b>Shock Delivery</b>	Via adhesive pads placed on patient's bare skin as illustrated on pads.
<b>Controls</b>	Green SMART Pads cartridge handle, green On/Off button, blue i-button, orange Shock button
<b>Indicators</b>	Ready light; blue i-button; caution light

### Physical Requirements

<b>Sealing</b>	Solid objects per EN60529 class IP2X Drip-proof per EN60529 class IPX1
<b>Temperature</b>	Operating: 32° - 122° F (0° - 50° C) Standby: 50° - 109° F (10° - 43° C)
<b>Humidity</b>	Operating: 0% to 95% relative, non-condensing Standby: 0% to 75% relative, non-condensing
<b>Altitude</b>	Operating: 0 to 15,000 ft (0 to 4,500 m) Standby: 0 to 8,500 ft > 48 hours and 8,500 to 15,000 feet < 48 hours
<b>Shock/Drop Abuse</b>	Withstands 1 meter drop to any edge, corner or surface.
<b>Vibration</b>	Meets EN1789 random and swept sine, road ambulance specification in operating and standby states.
<b>EMI (Radiated/ Immunity)</b>	Meets EN55011 Group 1 Level B Class B and EN61000-4-3.

### Patient Analysis System

<b>Patient Analysis</b>	Evaluates patient ECG to determine if a rhythm is shockable. Rhythms considered shockable are ventricular fibrillation (VF) and certain ventricular tachycardias (VT) associated 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.
<b>Sensitivity/ Specificity</b>	Meets AAMI DF80 guidelines and AHA recommendations for adult defibrillation (Circulation 1997;95:1677-1682).
<b>Artifact Detection</b>	The effects of pacemaker artifact and electrical noise are minimized with artifact detection.
<b>Battery Type (M5070A)</b>	9 Volt DC, 4.2 Ah, composed of disposable long-life lithium manganese dioxide primary cells.
<b>Capacity</b>	Minimum 200 shocks or 4 hours of operating time (EN 60601-2-4:2003)
<b>Install-By-Date</b>	Battery is labeled with an install-by date of at least five years from date of manufacture.
<b>Standby Life</b>	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 defibrillation uses.)

### SMART Pads

<b>Adult SMART Pads Cartridge</b>	M5071A defibrillation pads for patients 8 years of age and older or 55 lbs. (25 kg) and over.
<b>Infant/Child SMART Pads Cartridge</b>	M5072A defibrillation pads for patients under 8 years of age or 55 lbs. (25 kg). Rx only.
<b>Energy Delivered</b>	Adult: nominal 150 Joules into a 50 ohm load Infant/Child: nominal 50 Joules into a 50 ohm load
<b>How Supplied</b>	Disposable cartridge, containing adhesive defibrillation pads, clicks into defibrillator for an integrated pads solution.
<b>Active Surface Area</b>	13.2 in <sup>2</sup> (85 cm <sup>2</sup> ) each
<b>Cable Length</b>	Adult pads: 54 in (137.1 cm) Infant/Child pads: 40 in (101.6 cm)
<b>Use-by Date</b>	Cartridge is labeled with a use-by date of at least two years from date of manufacture.

### Training Pads

<b>Adult Training Pads Cartridge</b>	M5073A
<b>Infant/Child Training Pads Cartridge</b>	M5074A
<b>Function</b>	Special pads put HeartStart OnSite into training mode and disable its energy delivery capability. Training pads feature 8 real-world training scripts. Used with training mat (included) or with adapters on manikins.

### Automated and User Activated Self-Tests

<b>Daily Automatic Self-Tests</b>	Tests internal circuitry, waveform delivery system, pads cartridge and battery capacity.
<b>Pads Integrity Test</b>	Specifically tests readiness-for-use of pads (gel moisture).
<b>Battery Insertion Test</b>	Upon battery insertion, extensive automatic self-tests and user-interactive test check device readiness.
<b>Status Indicator</b>	Blinking green "Ready" light indicates ready for use. Audible "chirp" indicates need for maintenance.

### Data Recording and Transmission

<b>Infrared</b>	Wireless transmission of event data to a PC or Palm® PDA, using the IrDA protocol.
<b>Data Stored</b>	First 15 minutes of ECG and the entire incident's events and analysis decisions.