HeartStart FRx defibrillator specifications

Defibrillator		Patient analysi	is system
Defibrillator family	Order 861304. Defibrillator, battery, SMART Pads II (1 set), Setup and Maintenance Guides, Owner's Manual, Quick Reference Guide, date sticker	Patient analysis	s 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
HeartStart FRx Ready-Pack configuration	SMART Pads II (1 pre-connected set, 1 spare set), Setup and Maintenance Guides, Owner's Manual, Quick Reference Guide, date sticker		
Waveform	Truncated exponential biphasic; waveform parameters adjusted as a function of each patient's impedance	Sensitivity/	will not be interpreted as shockable VF. Meets AAMI DF80 guidelines and AHA
Therapy	Adult defibrillation: nominal peak current 32 A (150 J nominal into a 50-ohm load) Pediatric defibrillation with optional FRx Infant/Child Key installed: nominal peak current	specificity	recommendations for adult defibrillation
		Shock advised	Able to deliver a shock as soon as the device indicates a shock is advised
Protocol	19 A (50 J nominal into 50-ohm load) Device follows preconfigured settings; defibrillation and CPR protocol can be customized using HeartStart Event Review software	Quick Shock	Able to deliver a shock after the last chest compression of a CPR interval, typically in 8 seconds
		Shock-to-shock cycle time	Typically less than 20 seconds between shocks in a series
User interface		Artifact	Allows ECG analysis even in the presence of most
Instructions	Detailed voice prompts and visual icons guide responder through use of the defibrillator	detection	pacemaker artifact and electrical noise sources; other artifacts are detected and corrective voice
CPR coaching	Voice coaching for adult and infant/child CPR provides instructions and audio cues for the	D (1450)	prompts issued
	appropriate number, rate, and depth of chest compressions, as well as for each breath	Item number(s)	Standard: M5070A
Controls	Green On/Off button, blue-lit i-button, orange Shock button, optional Infant/Child Key	Туре	9 Volt DC, 4.2 Ah, lithium manganese dioxide,
Indicators	Ready light, blue-lit i-button, caution light, illuminated pads, icons; Shock button lights up when shock is advised	Capacity	disposable long-life primary cell Minimum 200 shocks or 4 hours of operating time (EN 60601-2-4:2003)
Physical		Install-by date	Battery is labeled with an install-by date of at least
Size	6 cm x 18 cm x 22 cm (2.4" x 7.1" x 8.9")	Standby life	five years from date of manufacture Four years typical when battery is installed by the install-by date (will power the AED in standby state within the specified standby temperature
Weight	D x H x W With battery and pads case: 1.6 kg (3.5 lbs.)		
Environmental ,	/physical requirements		range, assuming one battery insertion test and no
Sealing	Waterjet-proof IPX5 per IEC60529 Dust-protected IP5X per IEC60529	SMART Pads II	defibrillation uses)
Temperature	Operating/Standby: $32^{\circ} - 122^{\circ} F$ ($0^{\circ} - 50^{\circ} C$) Transient operating (for 20 minutes or less, after rapid transition from $68^{\circ} F$ [$20^{\circ} C$]): -4° to $122^{\circ} F$ (-20 to $50^{\circ} C$);	Item number	989803139261
		Active surface	80 cm² (12.4"²) each
Alaiteral	under non-condensing humidity conditions.	area	85 cm ² (13.2" ²) each
Altitude Aircraft	-400 m to 4,572 m (-1312 ft to 15,000 ft)	Cable length	121.9 cm (48")
Aircraft	Meets RTCA/DO-160G:2002 Section 21 (Category M - Radiated Emissions) and Section 20 (Category M - Conducted Immunity, and Category D - Radiated Immunity).	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 # 989803139311
Crush	500 kg (1100 lbs)	Training SMAR	
Drop	Withstands 1.22 m (4 ft) drop on any edge, corner, or face of the device onto masonry surface. Operating: meets MILSTD 810G Fig. 5146E-1, random. Standby: meets MILSTD 810G Fig. 5146E-2, swept sine (helicopter).	Item number Function	989803139271 Special pads place HeartStart FRx into training
Vibration			mode and disable its energy delivery capability; features eight real-world training scenarios
EMI (radiated/	Meets CISPR 11 Group 1 Class B and IEC 61000-4-3		duser-activated self-tests
immunity)		self-tests	Tests internal circuitry, waveform delivery system, pads, and battery capacity
Data recording Infrared	wireless transmission of event data to a PC using	Pads integrity test	Specifically tests readiness-for-use of pads (gel moisture)
HeartStart Event Review	e IrDA protocol ata management software (optional) for	Battery insertion test	Upon battery insertion, extensive automatic self-tests and user-interactive test check device readiness
software Data stored	download and review of data retrieved through defibrillator's infrared data port First 15 minutes of ECG and the entire incident's	Status Blinking green "Ready" light indicates ready for use; indicators audible "chirp" indicates need for maintenance	
Data Storeu	events and analysis decisions		

^{*} Refer to the HeartStart FRx Defibrillator Owner's Manual for detailed product instructions. All specifications based on 25° C unless otherwise noted. The defibrillator and its accessories are made of latex-free materials.