PHILIPS

Philips HeartStart FR2-Series Defibrillator

Supplies and accessories

Products and services, maximizing defibrillator performance

HEARTSTART
DEFIBRILLATORS

Carry Cases

There are four carry cases available for the HeartStart FR2-Series Defibrillator: the Standard Carry Case, either semi-rigid cordora or vinyl; the Temperature Control Carry Case; and the hard-shell waterproof case.

FR2-Series Carry Case

Semi-rigid
Item #M3868A

A red cordura, semi-rigid carrying case (M3868A) holds the device as well as its main accessories and supplies.

Vinyl
Item #M3869A

An easy-to-clean vinyl carrying case (M3869A) is also available.

Both the cordura and vinyl carrying cases are intended for use in environments where the defibrillator is protected from moisture and harsh treatment.

Dimensions:
9.5" (24 cm) w X 8.5" (21 cm) h X 4.8" (12 cm) d

Temperature Control Case
Item #989803133171

With the Temperature Control Carrying Case (989803133171), you can safely store your HeartStart FR2-Series Defibrillator in the trunk or storage compartment of a vehicle during extreme winter and summer temperatures. It provides protection from temperatures as low as −20°F (-29°C) and as high as 140°F (60°C), perfect for utility trucks, police cruisers and other vehicles in which heating or air conditioning isn't always available. The case's thermostat-regulated heater can be powered by a 12-volt vehicle battery. The built-in cut-off module turns off the heater before it depletes the battery. And a thick foam insulation layer slows the heating effect of hot summer days.

Dimensions:
9.5" (24 cm) w X 8.5" (21 cm) h X 3.5" (9 cm) d

Hard-shell Carry Case
Item #YC

Our waterproof carry case made of hard-shell plastic (product code YC) is suited for more rigorous use, particularly in wet outdoor settings. It can also accommodate the contents of the Fast Response Kit.

Dimensions:
13.5" (34 cm) w X 12" (30 cm) h X 6" (15 cm) d

Quick Reference Guide

Item #M3860-97800

The Quick Reference Guide is a brief instruction guide for defibrillator operators. Its short captions and straightforward drawings break down each step of the defibrillation process.

Fast Response Kit

Item #68-pchat

The Fast Response Kit contains tools and supplies typically needed for patient care and personal protection: 2 pairs of hypoallergenic nitrile gloves, a pocket breathing mask, paramedic scissors, a chest hair razor, and a large extra-absorbent paper towel. These items are housed in a zippered pouch which attaches securely to the handle of either the semi-rigid or vinyl carry case.

Dimensions:
9.5" (24 cm) w X 5.5" (14 cm) h

Wall Mounting Solutions

Philips Wall Mount Bracket and Defibrillator Cabinets let you strategically place defibrillators for fast access and response.

Wall Mount Bracket

The Wall Mount Bracket (M3857A) is designed specifically for housing a Philips HeartStart Defibrillator and its accessories. The defibrillator's carry case can be tethered to the Wall Mount Bracket with a breakaway Secure-Pull Seal (M3859A), to discourage tampering. A broken seal indicates that the defibrillator has been removed from the Wall Mount and accessories may need to be replenished.

**Wall Mount Bracket
Item #M3857A**

Dimensions:
10.6" (270 mm) w X 8" (204 mm) h X 5" (126 mm) d
Weight: 19 ounces (.5 kg)

**Item #M3859A
Secure-pull Seal**

**AED Wall Sign
Item #M3858A**

An AED Wall Sign (M3858A) hanging above a Wall Mount Bracket or Defibrillator Cabinet gives even greater visibility to the defibrillator.

Dimensions:
7" (18 cm) w X 10" (25.5 cm) h

Defibrillator Cabinets

To mobilize an emergency medical response or deter AED theft, Philips offers 3 different battery-operated, alarmed wall cabinets. The basic cabinet has a simple audible alarm. Also available are two premium cabinets: a wall surface mounted cabinet and a semi-recessed cabinet* that is inserted into a wall cut-out for a less obtrusive look. The premium cabinets feature combination audible and flashing light alarms. They are made of sturdy heavy-gauge steel, and are large enough to accommodate additional medical supplies, such as oxygen. You can also connect the premium cabinets' alarms to your internal security system so that a more coordinated emergency response can be mobilized centrally.

**Basic Surface Mounted Cabinet
Item #989803136531**

Dimensions:
16.5" (42 cm) w X 15" (38 cm) h X 6" (15 cm) d

**Premium Surface Mounted Cabinet
Item #PFE7024D**

Dimensions:
16" (41 cm) w X 22.5" (57 cm) h X 6" (15 cm) d

**Premium Semi-recessed Cabinet
Item #PFE7023D**

Dimensions:
Recessed Compartment –
14" (36 cm) w X 22" (56 cm) h X 6" (15 cm) d

Footprint on wall –
16.5" (42 cm) w X 24.5" (62 cm) h X 2.5" (6 cm) d

*The Americans with Disabilities Act requires that objects not protrude more than 4 inches into foot traffic areas of open aisles and walkways unless the object's bottom edge is no higher than 27 inches from the ground.

Pads and Adapters

HeartStart Adult AED Defibrillator Pads
Item # DP2/DP6

HeartStart Adult AED Defibrillator Pads (DP2 and DP6), recommended for patients 8 years and older, or above 55 pounds (25kg), are optimized for use with Philips FR2-series defibrillators. Constructed of a thin flexible conductor sandwiched between a protective polymer backing and a hydro-gel adhesive, these pads withstand the rigors of CPR and harsh conditions. Soft, flexible and oval-shaped, HeartStart Adult AED Pads conform to body contours for ample surface contact and adhesion.

For smooth handoff to advanced life support (ALS) personnel, the pads connector is compatible with the hands-free cable of HeartStart manual defibrillators which have advanced capabilities. Once attached, these multifunction electrode pads can provide ECG monitoring, external pacing, and synchronized cardioversion, in addition to defibrillation.
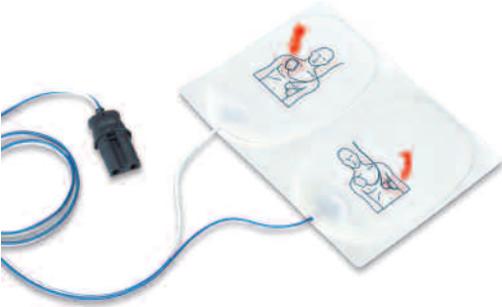
FR2 Infant/Child Reduced-Energy Defibrillator Pads
Item # M3870A

HeartStart FR2 Infant/Child Defibrillator Pads (M3870A) are for treating infants and children under 8 years of age or 55 pounds with an FR2-series defibrillator.

These special infant/child pads contain electronics that attenuate, or reduce, the energy of the defibrillator's shock from 150 to 50 Joules, a more appropriate dosage of SMART Biphasic therapy for infants and small children.[1] And the FR2-series defibrillator can evaluate children's heart rhythms with outstanding accuracy.[2]

The pads' design was carefully thought out to ensure that, even for the most inexperienced user under the most stressful circumstances, it is instantly obvious that these pads are for children and infants only. This helps ensure that the correct pads are chosen when you need to be prepared to treat both adults and children. The packaging, graphics, and pink teddy bear-shaped connector clearly communicate pediatric use.
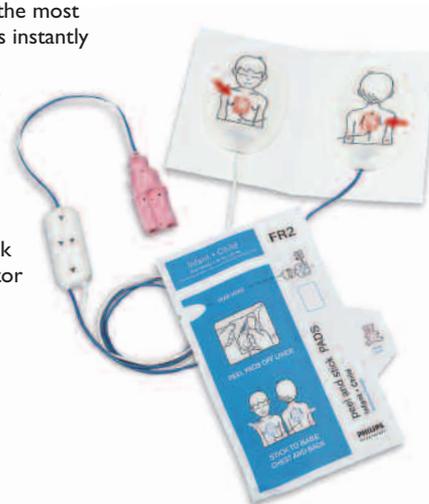
HeartStart Adapters

HeartStart Adult AED Defibrillator Pads may also be used with defibrillators from other manufacturers, using Philips HeartStart Adapters, whether defibrillators are biphasic or monophasic, manual or automated. The adapters allow ALS caregivers to connect the pads to their manual defibrillator. Adapters cannot be used with FR2 Infant/Child Defibrillator Pads.

Adapter Model 05-10200
Fits Philips hands-free cables M3507A or M1750A/B for connection to Hewlett-Packard CodeMaster 100, XE, XL, and XL+; Philips Heartstream/HeartStart XL and XLT; HeartStart MRx and Laerdal Heartstart 4000 defibrillator/monitors

Permanent Configuration

Removable Configuration
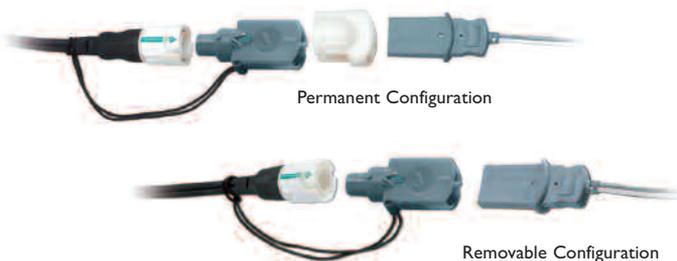
Adapter Model 05-10000
Removable adapter for Medtronic Physio-Control Quik-Combo LifePak 9, 10C, 11, 12, 20, and 500 defibrillators

Adapter Model 05-10100
Removable adapter for Zoll 1200, 1400, 1600 and M-Series defibrillators

1.   Tang, et al. Pediatric Fixed Energy Biphasic Waveform Defibrillation Using a Standard AED and Special Pediatric Electrodes. Supplement to Circulation, Vol 102, No 18, October 31, 2000, II-437.
2.   Cecchin, et al. Is Arrhythmia Detection by Automatic External Defibrillator Accurate for Children? Sensitivity and Specificity of an AED Algorithm in 696 Pediatric Arrhythmias. Circulation 2001; 103:2483-2488, May 22, 2001.

Power Supplies

FR2-Series Standard Battery
Item #M3863A

FR2-series defibrillators come with a disposable lithium manganese dioxide battery (M3863A), which has a shelf life of 5 years, plus typical standby life of 5 years (4 years minimum).**

U.S. airline customers should order the FAA-certified version of this battery (989803136291).

FR2+ Rechargeable Battery
Item #M3848A

In hospital and EMS environments, where the useful life of a defibrillator's disposable battery can be consumed in a relatively short period of time, the FR2+ Rechargeable Battery (M3848A) provides a cost-effective option for frequent-use applications, such as back-to-back sudden cardiac arrest responses and monitoring patients during transport.

This Lithium-Ion battery fully charges (using the Charger M3849A) in just 3 hours to provide 100 shocks (typical) or 5 hours (typical) of ECG display time. The "fuel gauge" on the FR2+ displays the battery's remaining power. Under normal conditions, the FR2+ Rechargeable Battery withstands 300 charge-discharge cycles or 2.5 years of use.

FR2+ ECG Assessment Module

Ideal where manual defibrillators and monitors are impractical, the Philips FR2+ ECG Assessment Module enables the professional responder to use the HeartStart FR2+ Defibrillator with ECG to assess the heart rhythms of conscious and/or breathing patients who may be in cardiac distress. With this reusable unit, caregivers knowledgeable in ECG rhythms can use the defibrillator's display to view the Lead II ECG rhythm of a patient who may be experiencing dizziness, chest discomfort, or becomes unconscious but is still breathing.***

If arrhythmias are observed or the patient's status changes, the responder can proactively determine next steps. And if the patient goes into cardiac arrest, the responder can react immediately by switching to defibrillation pads. The FR2+ ECG Assessment Module, compatible with most standard snap monitoring electrodes, including M2202A (radioluscent foam), is available in two configurations:

Item #M3873A
AAMI color convention with red, white and black leadwire connections.
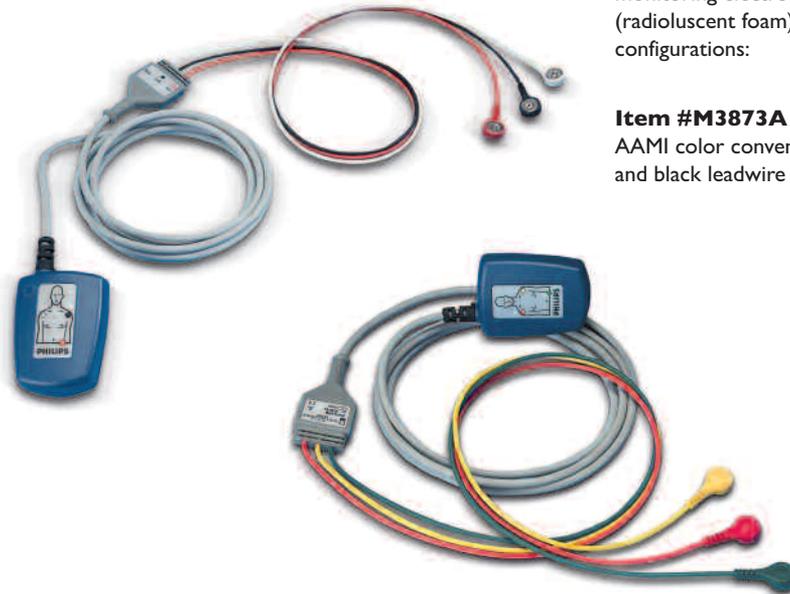
Item #M3874A
IEC color convention with green, red and yellow leadwire connections.

** Use of the defibrillator, additional battery insertion tests, or exposure to temperature extremes may shorten the battery life.
*** FR2+ ECG screen is not suitable for diagnostic and ST-segment interpretation.

Training Solutions

Training and Administration Pack

When equipped with the rechargeable training and administration pack (M3864A), the FR2-series defibrillator acts as a trainer. Its shock delivery capability is disabled while you train with nine realistic scenarios. And when connected to a simulator or a special training manikin capable of producing an ECG rhythm, the FR2+ with training and administration pack will produce realistic responses to various heart rhythms.

In addition to training, the pack allows you to reconfigure the defibrillator's behavior to your specific cardiac arrest protocol.*

**HeartStart AED Trainer 2
Item # M3752A**

AED Trainer 2

For training many responders simultaneously, HeartStart AED Trainer 2 (M3752A) is a more flexible and economical solution. AED Trainer 2 helps your responders learn to use FR2-series defibrillators in simulated sudden cardiac arrest episodes for an extremely realistic training experience. AED Trainer 2 looks and behaves like the FR2-series defibrillators, but cannot deliver an actual defibrillation shock.

It is pre-configured with 10 realistic training scenarios, developed in accordance with internationally recognized emergency responder training programs. Voice prompts in various languages and additional custom scenarios can be configured using the optional programming kit (M3754A).

An optional remote control (M3753A) lets the instructor adjust the Trainer's volume, select a scenario, pause and then resume the scenario in progress to give instruction, and override the scenario to test how students respond to a variety of situations they may encounter.

The AED Trainer 2 comes equipped with one set of adult-size reusable training pads (07-10900), a quick reference instruction card, a user guide, and a carrying case.

**Training and Administration
Pack with Charger
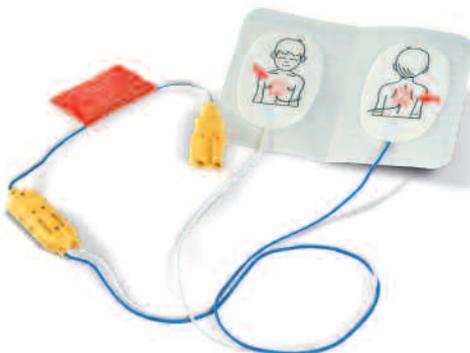Item # M3864A with M3855A**

**Remote Control
Item # M3753A**

**Programming Kit
Item # M3754A**

**FR2 infant/Child
Training Pads
Item # M3871A**
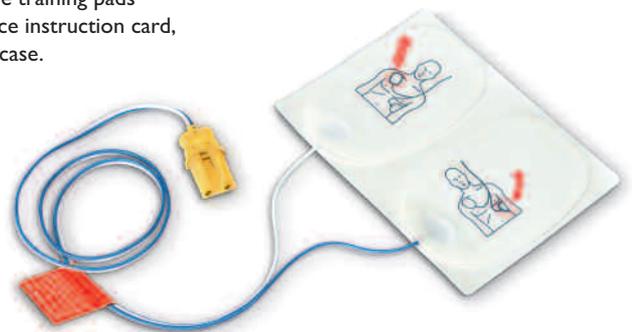
**HeartStart Training
Pads
Item #07-10900**

* Changes to default values should be done only by authorized personnel under the oversight of a medical professional.

AED Little Anne Training System

Also available is the all-in-one AED Little Anne Training System (M3756A), for added realism. In addition to the AED Trainer 2, quick reference card, user guide, and carrying case, this total training solution also includes the remote control, special training pads (M3755A) and a Laerdal AED Little Anne training manikin. The Trainer, AED Little Anne manikin, and special training pads work together to provide feedback on the quality of pads placement.

Instructor's Training Toolkit

The training toolkit (M5066-89100) includes instructional aids, such as a videotape and CD with a PowerPoint presentation, for teaching groups of people to operate the HeartStart FR2-series defibrillator.

Data Collection and Storage

Data Card and Tray
Item #M3854A

The data card (M3854A) holds approximately 8 hours of incident and ECG information, or one hour with voice recording. One card can hold data from multiple cases. A flash data card reader enables data transfer from the card to a personal computer for use with HeartStart Event Review data management software.

Event Review
Item #M3834A (single PC)
or 989803141811 (organization-wide)

Event Review allows you to download patient data from your defibrillator, and view it on your PC screen, annotate it with your comments, and add basic response and patient status information. You can save the case to a file or to a database, allowing ad hoc case queries and case reports.

It is available with single PC pricing or unlimited organization-wide pricing.

Event Review Pro
Item #861276 Opt A01

Event Review Pro is our comprehensive case management tool for the most demanding data managers and medical directors, with even more detailed data entry screens to record every aspect of the response, including detailed response times, interventions, and patient observations. In addition to the individual case reports, you get Utstein reporting and graphical summaries of your system's overall response times to help you manage your service levels more efficiently.

HeartStart Essentials

Philips helps implement a comprehensive program with most everything you and your medical director will need to help save a life from sudden cardiac arrest. We'll get you started with pre-implementation consulting and site assessments. We can help manage your everyday needs including medical direction from a licensed physician, web-based program management, data management software, and responder and instructor training. Philips offers ongoing support with a five-year warranty, optional extended warranty and continued customer support from supplies ordering to technical assistance.
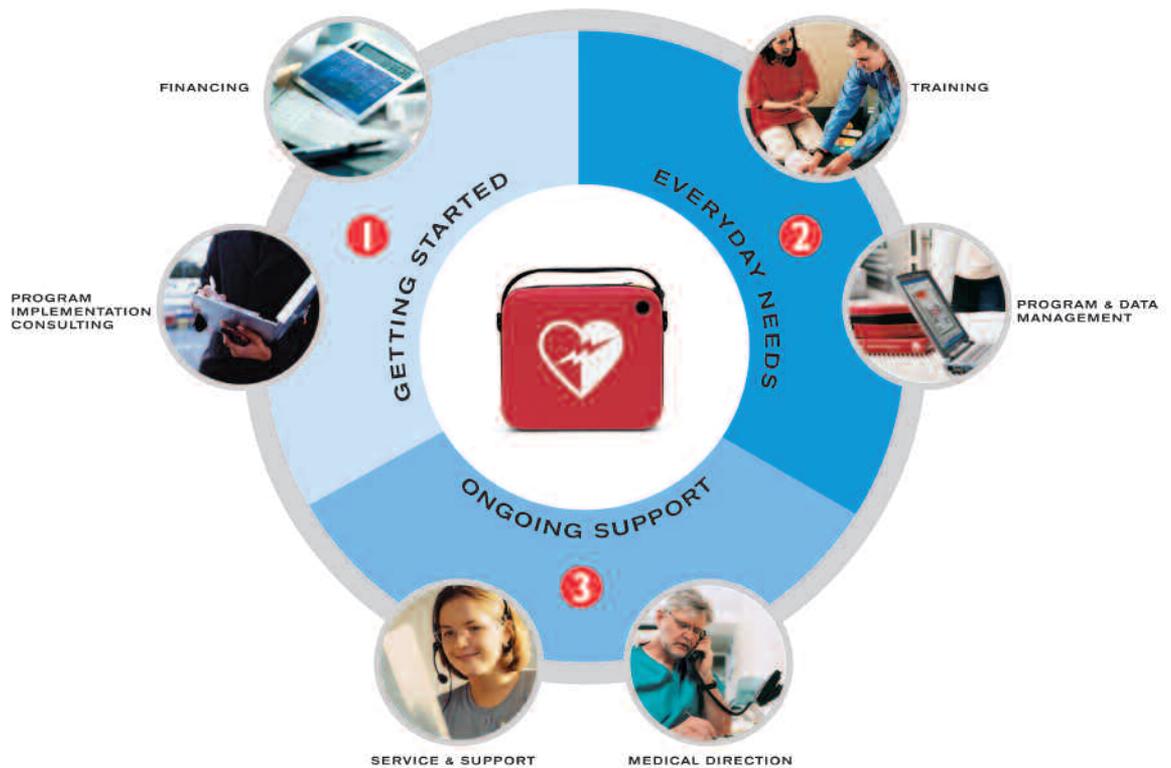
Philips Medical Supplies

Philips is committed to producing and supporting the finest quality medical equipment and supplies. Our supplies are thoughtfully designed, tested and manufactured to deliver reliable and accurate results from your HeartStart Defibrillators. For a complete list of supplies, please visit http://shop.medical.philips.com.