



AED

LIFE LINE

Life-Saving Technology Within Reach



LIFELINE AED Semi-automatic Defibrillator

Defibtech has designed a revolutionary new semi-automatic external defibrillator, from the ground up.

Technologically advanced enough to include all mission critical features necessary to provide the most advanced treatment for Sudden Cardiac Arrest. Yet so simple and unthreatening to use that even non-medical personnel can effectively save lives.

The Lifeline AED was developed by experienced multidisciplinary engineering teams and incorporates state-of-the-art digital signal processing techniques and advanced ECG analysis algorithms.

This enables the device to exceed the American Heart Association performance recommendations, giving the user confidence the correct therapy is being delivered.

The Lifeline AED defibrillator uses advanced biphasic technology — including the most studied biphasic shock waveform — and automatically adjusts the shock delivery to the person's individual needs.

For first response professionals like police, fire and EMS, the Lifeline AED is standard equipment. For schools, offices, stores, malls, factories, and public places, it's becoming as vital as the fire extinguisher.

Lifeline AED Semi-automatic Defibrillator

TECHNICAL SPECIFICATIONS*

Defibrillator

TYPE

Semi-automatic external defibrillator

MODEL

DDU-100A, DDU-100E

WAVEFORM

Biphasic Truncated Exponential
(Impedance compensated)

ENERGY

Adult: 150 Joules

Pediatric: 50 Joules

(Nominal into 50 Ohm load)

CHARGE TIME**

DBP-2800: Less than 6 seconds

DBP-1400: Less than 9 seconds

VOICE PROMPTS

Extensive voice prompts
guide user through operation
of the unit and CPR

CPR PACING

Metronome

CONTROLS

Lighted On/Off button

Lighted Shock button

INDICATORS

- "check pads"
- "do not touch patient"
- "analyzing"
- AED Status LED

**Typical, with new battery at 25° C

Patient Analysis System

PATIENT ANALYSIS

Automatically evaluates patient
impedance for proper pad contact.
Monitors signal quality and
analyzes patient ECG for shockable/
non-shockable rhythms

SENSITIVITY/SPECIFICITY

Meets AAMI-DF-39 specifications
and AHA recommendations

Battery Pack

MODEL DBP-2800	MODEL DBP-1400
POWER 15V, 2800 mAh	POWER 15V, 1400 mAh
CAPACITY 300 shocks or 16 hours continuous operation**	CAPACITY 125 shocks or 8 hours continuous operation**
STANDBY LIFE 7 years**	STANDBY LIFE 5 years**

TYPE

Lithium/Manganese Dioxide
Disposable, recyclable,
non-rechargeable

LOW BATTERY INDICATORS

Visible
Audible

**Typical, with new battery at 25° C

Self Tests

AUTOMATIC

Automatic daily, weekly, monthly
and quarterly circuitry tests

BATTERY INSERTION

System integrity test
on battery insertion

PAD PRESENCE

Pads preconnected tested daily

USER-INITIATED

Unit and battery pack system test
may also be initiated by the user

STATUS INDICATION

Visual and audible indication
of unit status

Defibrillation/Monitoring Pads

MODEL

Adult – DDP-100

Child/Infant – DDP-200P

TYPE

Pre-connected, single-use,
non-polarized, disposable,
self-adhesive electrodes
with cable and connector

SURFACE AREA

103 cm² (nominal, each pad)

50 cm² (nominal, each pad)

PAD PLACEMENT

Adult – Anterior/Anterior

Child/Infant – Anterior/Posterior

CABLE LENGTH (typical)

48 in (122 cm)

Event Documentation

INTERNAL EVENT RECORD

Critical ECG segments and rescue
event parameters are recorded
and can be downloaded to a
removable data card

PC-BASED EVENT REVIEW

ECG with event tag display,
and audio playback when available

REMOVABLE STORAGE

(optional)

Up to 12 hours of ECG and event
data storage (no audio option) or
up to 2 hours of audio, ECG and
event storage (audio option) on a
removable data card. Actual length
of storage is dependent on card
capacity

Environmental

TEMPERATURE

Operating:

0 to 50°C (32 to 122°F)

Standby (with battery installed):

0 to 50°C (32 to 122°F)

RELATIVE HUMIDITY

Operating / Standby: 5% – 95%
(non-condensing)

ALTITUDE

-500 to 15,000 ft (-150 to 4500 m)
per MIL-STD-810F 500.4 Procedure II

VIBRATION

Ground (MIL-STD-810F 514.5
Category 20)

Helicopter (RTCA/DO-160D,
Section 8.8.2, Cat R, Zone 2,
Curve G)

Jet Aircraft (RTCA/DO-160D,
Section 8, Cat H, Zone 2,
Curves B & R)

SHOCK/DROP ABUSE TOLERANCE

MIL-STD-810F 516.5 Procedure IV
(1 meter, any edge, corner,
or surface, in standby mode)

SEALING/WATER RESISTANCE

IEC60529 class IP54;
Splash Proof, Dust Protected
(Battery Pack installed)

ESD

EN 61000-4-2:2009 (open air up to
15kV or direct contact up to 8kV)

EMC (Emission)

EN 60601-1-2:2001 +A1:2006, limits
EN 55011:1998 +A1:1999 +A2:2002
Group 1 Level B, method

EMC (Immunity)

EN 60601-2-4:2003, limits
EN 61000-4-3:2002
Level 3 (10V/m), method

Physical

SIZE

8.5 x 11.8 x 2.7 inches
(22 x 30 x 7 cm)

WEIGHT (Approximate)

With DBP-1400: 4.2 lbs (1.9 kg)

With DBP-2800: 4.4 lbs (2.0 kg)

*Specifications subject to change without notice



DAC-700-EN-BC rev A

ELECTRONIC DISTRIBUTION

AED Plus®

Technical Specifications



Measuring Chest Compression with Real CPR Help

The force required to depress the chest during CPR varies with the patient's size and build. The standard measure of chest compression quality, however, is not force but depth. The Real CPR Help® technology in ZOLL's CPR-D-padz® includes a hand-placement locator, an accelerometer, electronics, and a processing algorithm that work together to measure vertical displacement in space as each compression occurs.

One Size Fits All

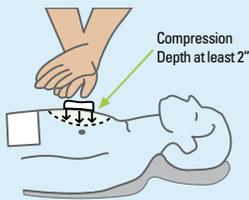
ZOLL's one-piece electrode design accounts for anatomical variation. Based on extensive human data, CPR-D-padz meet the anthropometric chest characteristics of 99% of the population. If needed, the lower (apex) electrode can be separated and adjusted to accommodate the remaining 1% of the population.

Simplified Placement

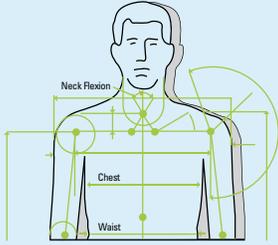
Affixing two separate electrode pads to the patient's bare chest can be confusing to a lay rescuer. ZOLL's CPR-D-padz simplify this step by guiding placement of the red crosshairs at the center of the imaginary line connecting the patient's nipples. Once in place, the hand-locator and the two electrode pads fall naturally into optimal position for both defibrillation and CPR.

Five-Year Shelf Life

All AED electrodes transmit defibrillating electricity into the patient via metal in close contact with a salt-infused gel that is positioned between the metal and the skin. Over time, however, the salt in the gel will corrode the metal and eventually compromise electrode functionality. ZOLL's novel electrode design includes a sacrificial element that prevents significant corrosion for five years, which is unmatched in the market today.



Real CPR Help® provides unique assistance to rescuers with real-time feedback on CPR compression depth and rate.



ZOLL's one-piece CPR-D-padz is designed to fit 99% of the population's chest anatomy.



CPR-D-padz offers clear anatomical placement illustrations and a CPR hand positioning landmark.



CPR-D-padz comes complete with rescue essentials, including a barrier mask, a razor, scissors, disposable gloves, and a towelette.

AED Plus Specifications

Defibrillator

Waveform: Rectilinear Biphasic

Defibrillator Charge Hold Time: 30 seconds

Energy Selection: Automatic preprogrammed selection (120J, 150J, 200J)

Patient Safety: All patient connections are electrically isolated

Charge Time: Less than 10 seconds with new batteries

Electrodes: ZOLL CPR-D-padz, pedi-padz® II or stat-padz® II

Self-test: Configurable automatic self-test from 1 to 7 days. Default = every 7 days. Monthly full-energy test (200J).

Automatic Self-Test Checks: Battery capacity, electrode connection, electrocardiogram and charge/discharge circuits, microprocessor hardware and software, CPR circuitry and CPR-D sensor, and audio circuitry

CPR: Metronome Rate: Variable 60 to 100 CPM

Depth: 3/4" to 3.5"; 1.9 to 8.9 cm

Defibrillation Advisory: Evaluates electrode connection and patient ECG to determine if defibrillation is required

Shockable Rhythms: Ventricular fibrillation with average amplitude >100 microvolts and wide complex ventricular tachycardia with rates greater than 150 BPM for adults, 200 BPM for pediatrics. For ECG Analysis Algorithm sensitivity and specificity, refer to AED Plus Administrator's Guide.

Patient Impedance Measurement Range: 0 to 300 ohms

Defibrillator: Protected ECG circuitry

Display Format: Optional LCD with moving bar

Size: 2.6" x 1.3"; 6.6 cm x 3.3 cm

Optional ECG Viewing Window: 2.6 seconds

Optional ECG Display Sweep Speed: 25 mm/sec; 1"/sec

Battery Capacity: Typical new (20°C) = 5 years (225 shocks) or 13 hours continuous monitoring. End of life designated by Red X (typical remaining shocks = 9).

Data Recording and Storage: 50 minutes of ECG and CPR data. If audio recording option is installed and enabled, 20 minutes of audio recording, ECG, and CPR data. If audio recording is disabled, 7 hours of ECG and CPR data.

PC Minimum Requirements For Configuration and Patient Data Recovery: Windows® 98, Windows® 2000, Windows® NT, Windows® XP, Windows® 7, IBM-compatible PII with 16550 UART (or higher) computer. 64MB RAM. VGA monitor or better. CD-ROM drive. IrDA port. 2MB disk space.

Device

Size: (H x W x D) 5.25"x 9.50" x 11.50"; 13.3 cm x 24.1 cm x 29.2 cm

Weight: 6.7 lbs; 3.1 kg

Power: User-Replaceable Batteries. 10 Type 123A Photo Flash lithium manganese dioxide batteries

Device Classification: Class II and internally powered per EN60601-1

Design Standards: Meets applicable requirements of UL 2601, AAMI DF-39, IEC 601-2-4, EN60601-1, IEC60601-1-2

Environmental

Operating Temperature: 32° to 122°F; 0° to 50°C

Storage Temperature: -22° to 140°F; -30° to 60°C

Humidity: 10 to 95% relative humidity, non-condensing

Vibration: MIL Std. 810F, Min. Helicopter Test

Shock: IEC 68-2-27; 100G

Altitude: -300 to 15,000 ft.; -91 m to 4573 m

Particle and Water Ingress: IP-55

CPR-D-padz

Shelf Life: 5 years

Conductive Gel: Polymer Hydrogel

Conductive Element: Tin

Packaging: Multilayer foil laminate pouch

Impedance Class: Low

Cable Length: 48 in (1.2 m)

Sternum: Length: 6.1 in (15.5 cm); Width: 5.0 in (12.7 cm); Length, conductive gel: 3.5 in (8.9 cm); Width, conductive gel: 3.5 in (8.9 cm); Area, conductive gel: 12.3 sq in (79.0 sq cm)

Apex: Length: 6.1 in (15.5 cm); Width: 5.6 in (14.1 cm); Length, conductive gel: 3.5 in (8.9 cm); Width, conductive gel: 3.5 in (8.9 cm); Area, conductive gel: 12.3 sq in (79.0 sq cm)

Complete Assembly: Folded Length: 7.6 in (19.4 cm); Folded width: 7.0 in (17.8 cm); Folded height: 1.5 in (3.8 cm)

Design Standards: Meets applicable requirements of ANSI/AAMI/ISO DF-39-1993

**ADVANCING
RESUSCITATION.
TODAY.®**

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For subsidiary addresses and fax numbers, as well as other global locations, please go to www.zoll.com/contacts.



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Printed in U.S.A. 061110 9656-0158

Guides you through every step



Philips, the worldwide leader in automated external defibrillators (AEDs), designed the HeartStart OnSite Defibrillator for the ordinary person in the extraordinary moment. The first and only AED available without a prescription, the OnSite is designed to be the easiest to set up and use and the most reliable defibrillator available.^{2,3} Our innovative technology, based on extensive research and user feedback, has produced a defibrillator so easy to use that you can potentially save the life of a coworker, friend, or anyone else stricken with sudden cardiac arrest.

Weighing just 3.3 lbs/1.5 kg, the HeartStart OnSite Defibrillator is small and lightweight. Using clear, calm voice instructions, it guides you through each step of defibrillation, including CPR coaching. Integrated SMART Pads placed on the victim's bare skin sense and adapt the defibrillator's instructions to your actions every step of the way.

HeartStart OnSite includes highly proven Philips technologies for heart rhythm assessment (SMART Analysis) and defibrillation energy delivery (SMART Biphasic). And like all HeartStart Defibrillators, it can be used to treat infants and children as well as adults.⁴

Easy to set up

The Philips HeartStart OnSite Ready-Pack configuration is virtually ready to rescue out of the box. Enjoy peace of mind knowing your device is deployed correctly and is ready when needed:

- Arrives with pads cartridge and battery already installed
- Device positioned inside carry case with spare pads cartridge in place
- Just pull the green tab to launch the initial self-test
- Automatic daily self-tests, including pads, help ensure continued readiness

Easy to use

Using the HeartStart OnSite Defibrillator is simple. Pulling the green handle activates the defibrillator and its voice instructions and visual icons. These instructions are paced to your actions, to help guide you through the entire process – from placing each pad on the patient to delivering a defibrillation shock and performing CPR.



Determines if a heart rhythm is shockable

If a shock is advised, the defibrillator directs you to press the flashing orange Shock button.

The OnSite also advises you to call emergency services and perform CPR. While performing CPR, the defibrillator's voice instructions can be activated to coach you on the frequency and depth of compressions as well as breaths.

Should EMS need a summary of care, it can be retrieved from the defibrillator's internal memory. An EMS provider simply presses the i-button and HeartStart OnSite verbally recounts events from its last clinical use.

Establishing a successful program from the start

As the world leader in automated external defibrillators (AEDs), we're also a leader in providing products and services designed to help you establish and maintain a successful AED program, including SMART Track AED program management, medical direction, access to training providers, and post-event support options.

Our customers agree that with Philips, you're well prepared, even across multiple sites with hundreds or thousands of employees. Philips experts have helped define industry best practices in AED program management, and we support American Heart Association and European Resuscitation Council guidelines for early defibrillation programs.

Smart for a reason

Replaceable SMART Pads Cartridges

The cartridge contains two adhesive pads that are placed on the patient's bare skin as indicated by the pictures on the pads. The pads are "smart" because they sense when they have been removed from the cartridge and when each has been applied to the patient, adjusting the voice instructions to your actions.

The HeartStart OnSite can be used on patients of any age, including infants and children. OnSite senses when the special infant/child SMART Pads Cartridge is installed. It automatically adjusts to a lower energy level more appropriate for infants and children, and also provides coaching for performing infant/child CPR.

To practice your skills, a special training pads cartridge (adult or infant/child) can be installed in the defibrillator. It disables the defibrillator's ability to shock, while walking you through patient care scenarios.

HeartStart user considerations

- You cannot use the HeartStart OnSite to treat yourself.
- Responding to cardiac arrest may require you to kneel

Designed to help save a life in extraordinary circumstances

Lightweight

Just 3.3 lbs/1.5 kg ready for use.

Intuitive

Clean design and clear voice instructions, including CPR coaching, are designed to help instill the confidence that's needed when treating a person in cardiac arrest.

Effective

The first Biphasic therapy with sufficient evidence to be classed "standard of care" and "intervention of choice" by the American Heart Association, SMART Biphasic effectiveness is backed by over 40 published, peer-reviewed studies.⁵

And with patented Quick Shock, the OnSite is among the fastest in class at delivering a shock after CPR. Studies show that minimizing time to shock after CPR may improve survival.^{6,7,8,9,10} As American Heart Association Guidelines 2005 note, "Reduction in the interval from compression to shock delivery by even a few seconds can increase the probability of shock success."¹¹



HeartStart OnSite Defibrillator specifications

Defibrillator	
Defibrillator family	HS1. Order M5066A
Standard configuration	Defibrillator, battery, adult SMART Pads cartridge (1 set), Setup and Maintenance Guides, Owners Manual, Quick Reference Guide, Date sticker
HeartStart OnSite Ready-Pack configuration	Order option R01. Defibrillator, battery, carry case, adult SMART Pads (1 pre-installed set, 1 spare set), Setup and Maintenance Guides, Owners Manual, Quick Reference Guide, Date Sticker
Waveform	Truncated Exponential Biphasic. Waveform parameters adjusted as a function of each patient's impedance
Therapy	Adult defibrillation: Peak current 32A (150 J nominal into a 50-ohm load). Pediatric defibrillation with optional Infant/Child pads cartridge installed: Peak current 19A (50 J nominal into 50-ohm load)
Shock-to-Shock cycle time	Typically less than 20 seconds between shocks in a series
Quick Shock	Able to deliver a shock after the end of a CPR interval, typically in 8 seconds
Voice instructions	Detailed voice messages guide responder through use of the defibrillator
CPR coaching	Instructions for adult or infant/child CPR available at user's option
Shock delivery	Via adhesive pads placed on patient's bare skin as illustrated on pads
Controls	Green SMART Pads cartridge handle, green On/Off button, blue i-button, orange Shock button
Indicators	Ready light; blue i-button; caution light, Shock button lights up when shock is advised
Physical	
Size	2.8" x 7.4" x 8.3" (7 cm x 19 cm x 21 cm) D x H x W.
Weight	With battery and pads cartridge: 3.3 lbs. (1.5 kg) Without battery or pads cartridge: 2.4 lbs. (1 kg)
Environmental/Physical Requirements	
Sealing	Solid objects per EN60529 class IP2X Drip-proof per EN60529 class IPX1
Temperature	Operating: 32° - 122° F (0° - 50° C) Standby: 50° - 109° F (10° - 43° C).
Humidity	Operating: 0% to 95% relative, non condensing Standby: 0% to 75% relative, non-condensing
Altitude	Operating: 0 to 15,000 feet Standby: 0 to 8,500 feet > 48 hours and 8,500 to 15,000 feet < 48 hours
Shock/drop abuse	Withstands 1-meter drop to any edge, corner or surface
Vibration	Meets EN1789 random and swept sine, road ambulance specification in operating and standby states
EMI (radiated/immunity)	Meets EN55011 Group 1 Level B Class B and EN61000-4-3
Data Recording and Transmission	
Infrared	Wireless transmission of event data to a Smartphone or PC, using the IrDA protocol
Data stored	First 15 minutes of ECG and the entire incident's events and analysis decisions

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) 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
Quick Shock	Able to deliver a shock after the end of a CPR interval, typically in 8 seconds
Sensitivity/specificity	Meets AAMI DF80 guidelines and AHA recommendations for adult defibrillation (Circulation 1997;95:1677-1682)
Artifact detection	The effects of pacemaker artifact and electrical noise are minimized
Battery (M5070A)	
Type	9 Volt DC, 4.2 Ah, composed of disposable long-life lithium manganese dioxide primary cells
Capacity	Minimum 200 shocks or 4 hours of operating time (EN 60601-2-4:2003)
Install-by date	Battery is labeled with an install-by date of at least 5 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 1 battery insertion test and no defibrillation uses)
SMART Pads	
Adult SMART Pads cartridge	M5071A defibrillation pads for patients 8 years of age and older or 55 lbs. (25 kg) and over
Infant/child SMART Pads cartridge	M5072A defibrillation pads for patients under 8 years of age or 55 lbs. (25 kg). By prescription only
Active surface area	13.2"² (85 cm²) each
Cable length	Adult pads: 54" (137.1 cm) Infant/Child pads: 40" (101.6 cm)
Use-by date	Cartridge is labeled with a use-by date of at least 2 years from date of manufacture
Training Pads	
M5073A	Adult Training Pads cartridge
M5074A	Infant/Child Training Pads cartridge
Function	Training pads feature 8 real-world training scripts. Used with training mat (included) or with adapters on manikins
Automated and User-activated Self-tests	
Daily automatic self-tests	Tests internal circuitry, waveform delivery system, pads cartridge, 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 Indicators	Blinking green "Ready" light indicates ready for use. Audible "chirp" indicates need for maintenance

* Refer to the HeartStart OnSite 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.



Products and services, maximizing defibrillator performance

Philips HeartStart OnSite Defibrillator supplies and accessories

Carry cases

There are three carry cases available for the HeartStart OnSite Defibrillator : the Standard Carry Case, the Slim Carry Case and the Hard-shell waterproof case. The Standard and Slim cases are constructed with semi-rigid materials and covered in durable red Cordura.® A window pocket inside both cases, the Standard and Slim, holds the OnSite Quick Reference Guide.



Standard Carry Case

Item # M5075A

In addition to the OnSite Defibrillator, the Standard Carry Case can accommodate one spare pads cartridge and a spare battery. It also comes equipped with a pair of paramedic scissors.

Dimensions:

9.5" (24 cm) w, 8.5" (21 cm) h, 4.8" (12 cm) d



Slim Carry Case

Item # M5076A

The Slim Carry Case (M5076A) holds the OnSite Defibrillator and a pair of paramedic scissors.

Dimensions:

9.5" (24 cm) w, 8.5" (21 cm) h, 3.5" (9 cm) d



Hard-Shell Carry Case

Item # YC

Our waterproof carry case made of hard-shell plastic is suited for more rigorous use, particularly in wet outdoor settings. It can also accommodate a spare battery, spare pads cartridge, and the contents of the Fast Response Kit.

Dimensions:

13.5" (34 cm) w, 12" (30 cm) h, 6" (15 cm) d

Wall mounting solutions

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



Wall Mount Bracket

Item # 989803170891

The Wall Mount Bracket 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. The Fast Response Kit (68-PCHAT) tucks neatly behind the Defibrillator Case.

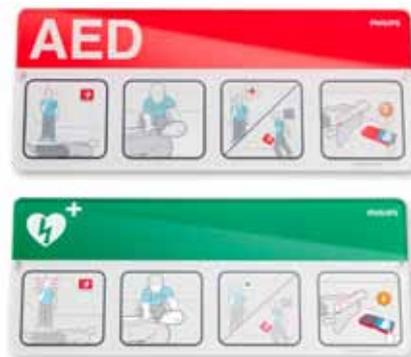
Dimensions:

10.5" (27 cm) w, 8" (20 cm) h, 6.9" (17 cm) d
Weight: 18.4 ounces (0.52 kg)



Secure-Pull Seal

Item # M3859A



AED Awareness Placard

Item # 989803170901 (Red)

Item # 989803170911 (Green)

Raise AED awareness by putting an AED Awareness Placard above every AED located in a public area. Easy-to-understand graphics raise awareness of passers-by about how to use an AED in an emergency. Great for office settings, sports clubs, public facilities, school settings and more.

Dimensions:

10.25" (26 cm) w, 4.5" (11 cm) h



AED Awareness Poster Pack

Item # 861476 Opt. ABA (English)

Opt. ABE (Spanish)

Opt. ABF (French)

Place these posters away from the AED, in break areas, copy rooms or locker rooms – anywhere that employees or members of the public can take a moment to raise their awareness about AEDs. Includes space for the AED coordinator to write-in the location of the nearest AED. Pack of four posters.

Dimensions:

11" (28 cm) w, 17" (43 cm) h



AED Wall Sign

Item # 989803170921 (Red)

Item # 989803170931 (Green)

An AED Wall Sign hanging above a Wall Mount Bracket or Defibrillator Cabinet gives even greater visibility to the defibrillator. Can be mounted three different ways to maximize visibility: T-mount, V-mount or Corner Mount.

Face dimensions:

9" (23 cm) h, 6.1" (15 cm) d

Wall mounting solutions

To help mobilize an emergency medical response or deter AED theft, Philips offers three 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, 15" (38 cm) h, 6" (15 cm) d



Premium Surface Mounted Cabinet

Item # PFE7024D

Dimensions:

16" (41 cm) w, 22.5" (57 cm) h, 6" (15 cm) d



Premium Semi-recessed Cabinet

Item # PFE7023D

Dimensions:

Recessed Compartment

14" (36 cm) w, 22" (56 cm) h, 6" (15 cm) d

Footprint on wall

16.5" (42 cm) w, 24.5" (62 cm) h, 2.5" (6 cm) d

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

SMART Pads Cartridges



Adult SMART Pads Cartridge

Item # M5071A

HeartStart Adult SMART Pads are appropriate for cardiac arrest victims weighing 55 pounds (25 kg) or more.



Infant/Child SMART Pads Cartridge

Item # M5072A

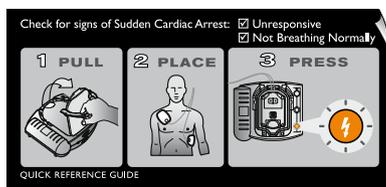
Children under 8 years of age or weighing less than 55 pounds (25 kg), including infants, should be treated using HeartStart Infant/Child SMART Pads, if available. These pads instruct the defibrillator to provide voice instructions appropriate for a pediatric patient, and to

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.

reduce the energy of its shock from 150 to 50 Joules (J), a more appropriate dosage.^{1,2} The Infant/Child Pads cartridge is marked with an indication of patient weight and with a teddy bear icon for easy identification. Purchase of this product requires a prescription.

Additional accessories



Quick Reference Guide

Item # M5066-97800

The Quick Reference Guide provides a brief overview of defibrillator operation. 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: two 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 the carry case.

Dimensions:

9.5" (24 cm) w, 5.5" (14 cm) h



Long-life Battery

Item # M5070A

The OnSite Defibrillator uses a disposable, lithium manganese dioxide, long-life battery with a five-year shelf life plus a (typical) four-year installed life. A spare battery should be stored with the defibrillator. Additional batteries should be purchased for defibrillators used frequently for training and/or demonstrations.

Training tools



Training Cartridges

Item # M5073A (Adult)

Item # M5074A (Infant/Child)

To facilitate training on the OnSite Defibrillator, Adult and Infant/Child Training Pads Cartridges are available. These special purpose pads are installed in the HeartStart OnSite and the HeartStart Trainer. When installed in the OnSite, they suspend the defibrillator's ability to deliver a shock and activate its training mode, enabling the user to run any of eight emergency scenarios. Depending on which cartridge is used – Adult or Infant/Child – the defibrillator's voice instructions, including cardiopulmonary resuscitation (CPR) coaching, will be appropriate for treating the simulated victim.

Each training pads cartridge consists of a removable clear protective lid with a handle, a resealable film cover, and a pair of reusable adhesive pads.* It is packaged with a Pads Placement Guide (either Adult or Infant/Child) and illustrated instructions for installing the cartridge, using the Pads Placement Guide, and repackaging the cartridge after using it. A training pads cartridge can also be used on a manikin, connected with an internal (M5088A) or external (M5089A) manikin adapter.



HeartStart Trainer

Item # M5085A

For training many responders simultaneously, the Philips HeartStart Trainer is a flexible and economical solution. The HeartStart Trainer helps your responders learn to use the OnSite Defibrillator. With voice instructions matching those of the OnSite Defibrillator and eight preconfigured scenarios, the Trainer simulates how the defibrillator would operate during real-life situations the responders might encounter.

The HeartStart Trainer comes with a nylon carrying case, one reusable Adult Training Pads Cartridge (M5073A) and one External Manikin Adapter. Optional accessories include the Internal Manikin Adapter (M5088A) for use on selected manikins, the External Manikin Adapter 10-pack (M5089A) for use on all manikins, the Adult Pad Placement Guide (M5090A), and the Infant/Child Training Pads Cartridge (M5074A).

Instructor's Training Toolkit

Item # M5066-89100

The training toolkit includes instructional aids such as videos on DVD and presentations on CD for teaching groups of people to operate the HeartStart OnSite defibrillator.

* Replacement pads are available for training cartridges: Adult, M5093A and Infant/Child, M5094A.

Data management

Philips provides a broad range of tools to help you efficiently and effectively configure your HeartStart Defibrillators and then download, transmit, share, analyze, and report resuscitation data, so you and your medical director can fine tune your response to cardiac emergencies. Whether you manage a community public access program, a school AED program, a corporate emergency response team, an EMS system, or your hospital's resuscitation committee, the Event Review software suite has the tools you need to manage your defibrillator data.

HeartStart Review Express

Our simplest data management product for a quick look at defibrillator data, Review Express lets you download an ECG from your defibrillator, view it and print it. The program can be downloaded from the Philips data management website at no charge. (www.medical.philips.com/goto/eventreview)



Data Messenger

Item # PN 861451 Opt A01

HeartStart Data Messenger helps you move defibrillator cases to where they need to be. Its ideal for fire departments and EMS organizations who want to download defibrillator cases from their AEDs and forward them on to a central data administrator or medical director for retrospective review on Event Review or Event Review Pro. You can configure it to operate automatically in the background. Alternatively, you can configure it to be an easy-to-use wizard that guides you step by step in downloading, viewing and forwarding cases. Runs on a PC or Smartphone.

Event Review

Item # M3834A (single PC)

or 989803141811 (organization-wide)

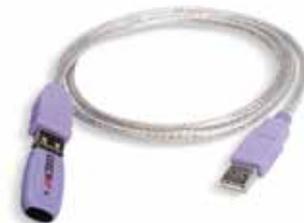
Event Review allows you to download patient data from your defibrillator, and view it on your PC screen, annotate it with your comments, and add basic response and patient status information. You can save the case to a file or to a database, allowing ad hoc case queries, and case reports. You can also configure your OnSite with Event Review.* It is available with single PC pricing or unlimited organization-wide pricing.

Event Review Pro

Item # 861431 Option A01 – Single PC

Item # 861431 Option A03 – Site license

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.



The Infrared Data Cable

Item # ACT-IR

Connected to a PC running HeartStart Review Express, Review Express Connect, Event Review or Event Review Pro, the Infrared Data Cable allows you to retrieve patient data from your OnSite Defibrillator for permanent storage as well as for viewing and reporting.

HeartStart Configure

Item #989803143041

HeartStart Configure enables you to review and change the configuration of your FRx or HS1 using your Pocket PC.* You can retrieve the current configuration from your defibrillator, reset the configuration to default values or revise individual settings according to your medical director's preferences, and transmit them to the defibrillator. To more efficiently manage configuration for your defibrillator program, you can save values to a file on your Smartphone. This lets you transmit the same configuration to all your AEDs as well as maintain a record of allowable settings.

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