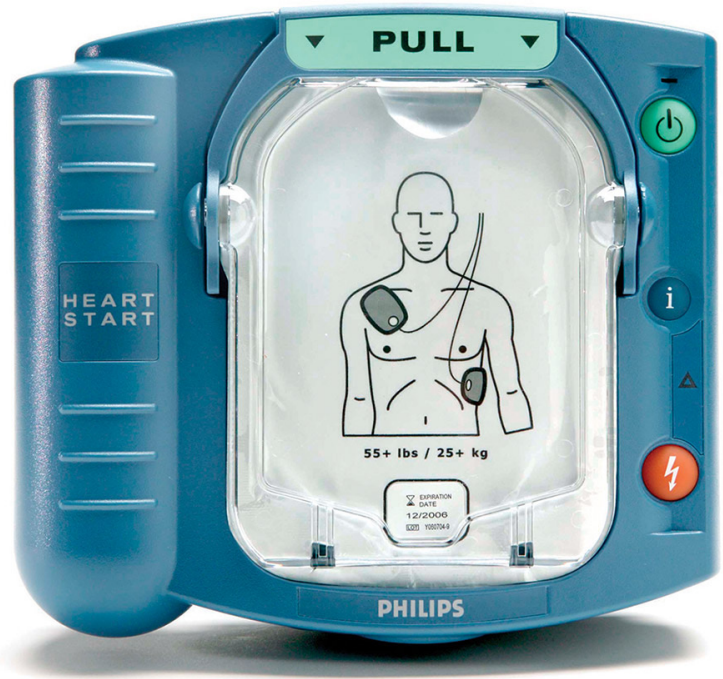




PHILLIPS HEARTSTART HS1



ADVANCED TECHNOLOGY. PROVEN THERAPY.

READY TO ACT, READY TO GO

Designed for the ordinary person in the extraordinary moment, HS1 is ready to act and virtually ready to go. It allows anyone with little or no training to treat the most common cause of SCA by delivering a shock quickly and effectively, wherever SCA happens.

START QUICKLY, TREAT CONFIDENTLY

With access to the right equipment and support, you can help save a life. HS1 guides you through the process of treating a victim of suspected SCA. HS1 provides practical, real-time guidance through step-by-step voice commands and CPR guidance.

EASY AS 1-2-3

The HS1 is equipped with integrated SMART Pads that provide feedback to the AED so it can adapt its voice instructions to your actions and your pace. The system won't announce the next step until you are ready. Prompts are repeated and rephrased if needed and include additional instruction to aid understanding.

Using an AED to deliver a shock within 3-5 minutes of collapse dramatically increases the rate of survival up to 70%
When it comes to sudden cardiac arrest, minutes matter.

STEP-BY-STEP VOICE COMMANDS AND CPR GUIDANCE

The Philips HeartStart HS1 AED

- Includes features to help guide the treatment of SCA with easy setup, clear voice commands and real-time metronome.
- Arrives virtually ready to use — with the Ready-Pack configuration, HS1 is positioned inside the carry case with Adult SMART Pads Cartridge and battery already installed with a spare Adult SMART Pads Cartridge included.
- Guides you through a cardiac emergency with a simple, step-by-step process, adaptive instructions and intelligent sensors to help deliver therapy
- Use on infants and children under 25 kg (55 lb) or 0-8 years old, and adults and children over 25 kg (55 lb) or greater than 8 years old.
- Senses when the special Infant/Child SMART Pads Cartridge is installed, and automatically adjusts CPR instructions and shock energy.
- Can be converted to a trainer with installation of training pads cartridge.
- Conducts a series of automatic self-tests daily, weekly and monthly, to check pad readiness and verify functionality and calibration of circuits and systems.



DESIGNED FOR ANY BODY



SMART Pads electrode pads

Comes equipped with one set of adult pads.



Children's pads available

Change to Infant/Child SMART pads for paediatric use.



Real-time metronome with CPR guidance

Real-time metronome and clear, step-by-step voice commands paced to your actions.



Variable energy for adults and children

Adult shock 150J | Paediatric shock 50J with Infant/Child SMART pads.



Designed for urban environments

IP21 rating for moderate protection from the elements.



8-year warranty

Backed by an 8-year warranty.

SPECIFICATIONS

Physical	
Height:	7.2 cm (2.8 in)
Width:	21 cm (8.3 in)
Depth:	19 cm (7.4 in)
Weight:	1.5 kg (3.3 lb) (with battery and pads) 1 kg (2.4 lb) (without battery and pads)

Defibrillator	
Standard configuration:	Defibrillator, battery, adult SMART Pads Cartridge (1 set), Setup and Maintenance Guides, Owner's Manual, Quick Reference Guide, date sticker
HS1 Ready-Pack configuration:	Order option R01. Defibrillator, battery, carry case, adult SMART Pads (1 pre-installed 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
Therapy:	Adult defibrillation: peak current 32 A (150 J nominal into a 50 ohm load) Pediatric defibrillation with optional Infant/Child SMART Pads Cartridge installed: peak current 19 A (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 guides the responder through use of the defibrillator
CPR guidance:	Instructions for infants and children under 25 kg (55 lb) or 0-8 years old, and adults and children over 25 kg (55 lb) or greater than 8 years old
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

Data recording and transmission	
Infrared:	Wireless transmission of event data to a PC using the IrDA protocol
Data stored:	First 15 minutes of ECG and the entire incident's events and analysis decisions

Environmental	
Sealing:	Solid objects per EN60529 class IPX2 Drip-proof per EN60529 class IPX1
Temperature:	Operating: 0° – 50° C (32° – 122° F) Standby: 10° – 43° C (50° – 109° F)
Altitude:	Operating: 0 to 4,572 m (15,000 ft) Standby: up to 2,591 m (8,500 ft)
Shock/drop abuse:	Withstands one-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

Battery	
Battery Capacity:	Minimum 200 shocks or 4 hours of operating time
Type:	9 Volt DC, 4.2 Ah, composed of disposable long-life lithium manganese dioxide primary cells
Install-by date:	Battery is labeled with an install-by date of at least 5 years from date of manufacture
Standby life:	Typically, 4 years when battery is installed and when stored and maintained according to directions provided in this document

SMART Pads	
Adult SMART Pads Cartridge:	M5071A defibrillation pads for patients over 8 years of age or 25 kg (55 lb) and over
Infant/Child SMART Pads Cartridge:	M5072A defibrillation pads for patients 0-8 years of age and under 25 kg (55 lb), by prescription only
Active surface area:	85 cm2 (13.2 in2) each
Cable length:	Adult SMART Pads: 137.1 cm (54 in) Infant/Child SMART Pads: 101.6 cm (40 in)
Use-by date:	Cartridge is labeled with a use-by date of at least 2 years from date of manufacture

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

ACCESSORIES



Heartstart battery



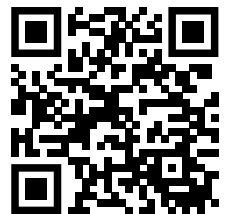
HS1 Adult SMART pads



**HS1 Infant/Child
SMART pads**



**Phillips Heartstart
carry case**



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Simply Saving Lives



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