

# I SURVIVED!

The immediate use of a defibrillator and  
Instant attempt at resuscitation saved  
my life!



HeartSine®



**DEFIBRILLATORS SAVE LIVES!**

**Anyone can do it!**

**TAKE PRECAUTIONS!**

It can happen to anyone, anytime, anywhere. Family, friends, guests.

# FACTS

More than 80% of all cardiac deaths happen at home, in your spare time or at work.

A 5-year study was conducted by the Asia Pacific Cohort Studies Collaboration, combining data from 659,000 participants in 46 studies in 9 Asia-Pacific countries. The results have warned that cardiovascular disease (CVD) is set to pose a major threat to Health and wealth in Asia, with smoking, increasing obesity, and rising levels of cholesterol and blood pressure.

## IT CAN HAPPEN TO ANYONE!

Large, small, smokers, non-smokers, ill and healthy people. We could all be affected. The people at highest risk are those with a family history or related diseases; cardiac infarction, diabetes or a stroke.

A cardiac arrest happens suddenly, and often without any early symptoms. The heart is beating randomly, the victim is losing consciousness, the victim goes into respiratory arrest and dies.

## THE ONLY CHANCE

of survival is an immediate attempt at resuscitation and for an electrical shock to be delivered to the heart by a defibrillator. In such an emergency, these measures need to be taken within the first 10 minutes of the patients collapse. Most incidents happen at home, at work or in your spare time.

The period between making the emergency call and the rescue services arriving can often be outside the 10 minute window.

But, if a lay person or medic can deliver an electrical shock (from a defibrillator) within a few minutes and CPR is performed, the SCA victim has a very good chance at survival.

Survival rate inside the first ten minutes until the emergency services arrive.



## ITS CHILDS PLAY!

We offer a solution for every user and one that suits every purse! Despite extensive recommendations by aid organisations and former victims families there still isn't sufficient coverage of defibrillators throughout our country to aid greater survival rates. The handling of our devices are very easy and a step by step prompt will assist the user over the rescue period.

# EVERY SECOND COUNTS

Every minute that goes by during an SCA, where there is no shock administered to the victim, reduces the chance of the survival by 10%.

## COMMON CHALLENGE “THE PRICE IS TOO HIGH! IT REQUIRES MAINTENANCE”

We offer an intelligent device which analyses the cardiac rhythm automatically. The device decides whether a life-saving electrical shock has to be delivered to the victim, or whether CPR is to be performed. The device guarantees additional security by a guiding tone during the resuscitation attempt. In addition the device is maintenance free.

Whether purchasing, renting or leasing “The Price is too high! It requires maintenance” is no longer a reason for not having a defibrillator.



8 min



+10 min

### KNOWLEDGE

In Singapore, about 900 people die of heart attacks each year. More than 500 are dead before they arrive at a hospital.

# HeartSine samaritan® PAD model 300P



CE 0120  
ISO 13485  
IP56 Ratings  
7 years warranty

Integrated memory / Automatic self check / CPR support /  
Audio and Visual aids / Loading time less than 8 seconds.  
Available for adults and children.

# FOR COMMERCIAL USE

In hotels, schools, restaurants, companies, clubs, shopping centers, sports clubs, aviation and shipping, doctor's offices, hospitals....

The PAD 300P device can be used for SCA victims from the age of 8 and above utilizing the Adult Pad Pak. For smaller children the PAD 300P has a "Special" Paediatric Pad Pak available. HST offers the only device to incorporate the Electrodes and Battery into one cassette for ease of use and the reduction of downtime following deployment.

The PAD 300P is maintenance free as are all HST devices. If you want an annual safety check on the device this can be carried out. The device is fully CE Marked and FDA approved for use around the world. Software updates are free of charge.

The hardware is guaranteed for 7 years and the unit is maintenance free with only one replaceable part after use.

The HST samaritan PAD model 300p: suitable for use by trained lay users, semi professionals and professional users alike. The device is a life saver for private, business, commercial and professional use.

Check country-specific finance offers and promotions

# HeartSine samaritan® PAD with CPR Advisor model 500P



push faster  
push slower  
push harder  
good compressions

CE 0120  
ISO 13485  
IP56 Ratings  
7 year warranty

Integrated memory / Automatic self check / CPR support /  
Audio and Visual aids / Charging time less than 8 seconds.  
Available for adults and children.

# Defibrillation is easy, CPR is the hard part...

Regardless of whether it is a lay person or a professional rescuer, the ERC guidelines place a greater emphasis on the importance of CPR and advocate the prompt initiation of effective bystander CPR to significantly reduce mortality due to out-of-hospital CA. HeartSine can now provide a device to support these guidelines the introduction of [the HeartSine samaritan PAD with CPR Advisor model 500P](#).

CPR stands for Cardio (heart) Pulmonary (lung) Resuscitation which is a combination of pushing the heart to circulate blood to all the vital organs and breathing into the victim to give them oxygen. There has been a lot of research into the best way to resuscitate a patient and the results of that have been built into the HeartSine® PAD500P guidance.

The HeartSine® PAD500P uses an Impedance Cardiogram (ICG) to assess how good the CPR is - are the compressions fast enough? Hard enough? The Impedance Cardiogram (ICG) measures Impedance changes in blood volume in the chest cavity which determines effective CPR. Since the blood-flow is related to how fast the compressions are applied as well as how hard, the PAD500P can guide you on both. 'Push faster' means the compressions are too slow. Likewise, 'push harder' means more pressure is needed before concerning yourself with the speed.

The simple objective is to ensure that the green indicators are on during CPR with the voice prompting 'good compressions'. One amber light means that either CPR is not being applied at all, or it is too gentle and too slow. All amber lights showing mean you are not applying enough pressure. All lights on mean you are pushing hard enough. The aural 'clicks' will help you keep time.



Push harder /  
No CPR

Push harder

Good  
Compressions

However, if good CPR is to be achieved at all, it is really important that the electrodes and the hands are placed correctly as the device cannot remove the need for CPR training. The left electrode should be placed at the apex to the left side of the patient, underneath the left arm just below and to the left of the pectoral muscle, the anterior (right) electrode should be placed on the right, below the clavicle and above the nipple and as per the diagram on the unit. Hands must be clasped and placed two fingers up from the bottom of the centre of the ribcage. Hands must not touch the electrodes. For this reason, HeartSine® strongly advises you to take a short training course on CPR.

Check country-specific finance offers and promotions

# HeartSine samaritan® Training devices *with* remote Control



Complete with Remote Control and AAA batteries, demonstration Pad-Pak™, battery charger, soft carrying case with 2 zipper compartments, user manual and 5 pairs of training electrode pads.





Delivering an electric shock is just a small part in the battle against Sudden Cardiac Arrest but this is only the smallest and most simple part of saving a life!

CPR is an important part of the whole life-saving concept, both lay rescuers and professionals have problems with the correct force and speed of compressions. They are often done too slowly, too quickly or not deeply enough.

## DELIVERING AN ELECTRIC SHOCK IS NOT ENOUGH!

The HeartSine samaritan® PAD SAM 500P doesn't just guide you to shock. Instead, it also supports each user, irrespective of their knowledge and experience level, with real time feedback and real help during CPR.

### If you want to save a life – then choose correctly and choose quality!

Without additional costs for expensive electrodes, more equipment or accessories, the SAM 500P monitors and controls the quality and efficiency of CPR and gives the user information like “Push Faster”, “Push Slower” or “Push Harder”

The rescuer doesn't just hear the standard “beep” but also instructions on performing the most efficient CPR.

#### Acoustic and optical instruction

##### Good Compressions •

Push Slower •

Push Faster •

Push Harder •



Only in this way can we ensure that the pumping action of the rescuer through chest compressions can actually help to pump blood from the heart into circulation.

# Why HeartSine®:

## INVENTOR, INNOVATOR AND LIFESAVER

Just ask. Leading corporations, organizations and industry experts agree; HeartSine has a comprehensive offering and benefits that deserve serious considering when deciding on a partner to supply life-saving AED technology.

### Technology Advantage.

HeartSine samaritan® PAD utilizes proprietary electrode technology, advanced firmware and stable software, and proprietary SCOPE™ Biphasic Technology (an escalating and low-energy waveform that automatically adjusts for patient impedance differences) to assess rhythm and recommend defibrillation if necessary.

### Most Portable.

HeartSine offers one of the smallest and lightest AED on the market, so it's the most convenient unit to use and store.

### Most Durable.

HeartSine samaritan PAD offers the highest durability rating of any AED (including an Ingress Protection [IP] rating of IP56 and US military one-meter drop test).

### Most Reliable.

The HeartSine AED's 7-year warranty is one of the longest warranty in the industry. That includes the samaritan PAD's advanced system self-diagnostic protocols. Even HeartSine's one-click Pad-Pak®—with integrated battery and electrode in a single cartridge—comes with the industry's longest warranty.

### Lowest Maintenance Cost.

Unlike competitive products that require separate consumable expiration dates for customers to track and replace, HeartSine samaritan PAD is simpler and less costly to maintain, thanks in large part to its single-unit battery/electrode replacement cartridge.

### Lowest Cost of Ownership.

Lowest labor cost, lowest maintenance cost, field upgradable and low acquisition cost.

### Easiest to Use.

Designed for use by rescuers of all skill levels, samaritan PAD is a completely self-contained unit with no lid to open, complex displays or controls. Our simple two-button operation and voice/visual prompts with clear instructions guide the user through every step, including pad application, shock delivery and CPR.

### CPR Advisor.

HeartSine samaritan PAD 500P doesn't just give out standard "beeping" tone to guide the rescuer during CPR like the other AED makers. Instead, it uses patented impedance cardiography (ICG) analysis technology to provide feedback on the quality and rate of compressions during CPR by giving feedback like "push harder", "push faster", "push slower", or "Good Compression". Only in this way can we increase the CPR quality and ensure that blood is pumped from the heart to keep the victim alive.

Saving lives is so easy.

## WHAT REALLY HAPPENS?

*Normal Heart Rhythm (Sinus rhythm)*

**It can happen to anyone!**

The heart – our internal pump – normally beats at a rhythm of 60-80 beats per minute and sends blood circulating around the body. All organs and especially the brain are provided with oxygen.

*Ventricular Fibrillation (VF)*

**Then suddenly it happens!**

Out of the blue the heart starts to beat fast and erratically. The pulse increases to over 300 beats per minute. This life threatening change is what medical professionals call Ventricular Fibrillation or V.F.

*Ventricular Fibrillation (VF)*

*Electric Shock*

*Normal Heart Rhythm (Sinus rhythm)*

**The only solution!**

If an electric shock from an AED is administered to the heart within the first 5 minutes, there is a chance that the heart will start to beat normally again. When used together with effective CPR, the victim has a very good chance of surviving until the emergency services arrive.



# ACCESSORIES



## AED WALL SIGN

Easily identify where your defibrillator is in an emergency with these specifically designed projecting signs.

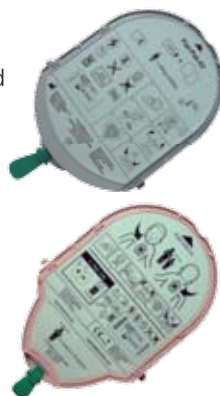
Model: PAD-ACC-04

## ADULT PAD-PAK

The Heartsine Pad-Pak is a unique combined battery and defibrillation pad unit. All other makes of AED's have separate battery and pads with different expiry dates. With the Pad-Pak there is just one unit and one expiry date, meaning better value and less maintenance.

The adult Pad-Pak is for adults and children over 8 years of age or above 25kg/55lbs in weight.

Model: PAD-PAK-03



## PEDIATRIC PAK

For children under 8 years of age or below 25kg/55 lbs in weight.

Model: PAD-PAK-04



## AED TABLE/WALL CABINET

AED Cabinet with red emergency strobe light and alarm. Includes 2 nos. of keys and keyhole with breakable glass.

Model: PAD-ACC-05

## FIRST AID RESPONDENT KIT

The kit contains a pocket mask (adult), disposable gloves, razor, towel, anti-microbial wipe, scissors.

Model: PAD-ACC-03



picture for illustration only

**NEW**



## LOW COST AED TRAINER

Ideal for instructor to teach CPR/AED. Fully compliant with the latest AHA guidelines. A metronome is added to the flashing lights during CPR compressions. It comes with remote control, DC & audio interfaces and 5 pairs of pads.

# NOTABLE HEARTSINE CUSTOMERS

## U.S.A./Americas

- Air Force One
- Coca Cola Corporate
- McCarran International Airport
- McDonalds Corporate
- Nebraska Department of Public Safety
- Stanford University
- The White House
- U.S. Secret Service

## Europe

- Audi
- AXA Insurance
- Coca Cola
- Lufthansa Airline
- Marriott Hotels
- Mercedes
- Mercure Hotel Group
- Nestle
- Netjets Europe
- Shell

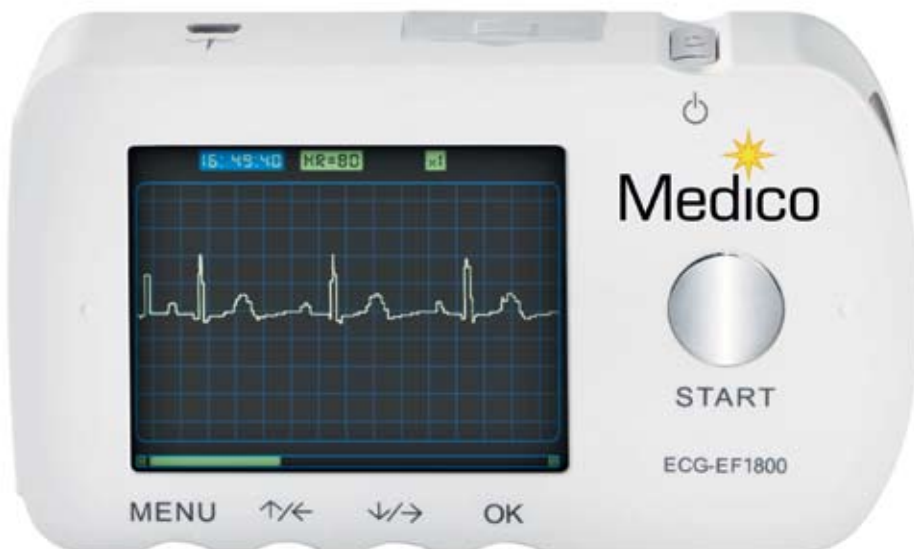
## Singapore

- Auditor-General's Office
- Downtown East Resort
- GlaxoSmithKline
- Hallin Marine Subsea International
- IBM Singapore
- ITE College West
- Marina Bays Sands Hotel Singapore
- National University of Singapore
- Novartis Singapore
- Pfizer Singapore
- Singapore Polytechnic
- ST Marine Ltd
- Victoria Junior College

- And many more...

Check country-specific finance offers and promotions

# Heart disease is Sudden & Transient. Capture it when it happens!



Portable Pocket ECG Monitor – For Daily Home Use  
Complete with accessories  
Memory card and software  
CE certified, patented  
Optional ECG cables and Disposable Electrodes



# Portable Pocket ECG Monitor – For Daily Home Use

This small, lightweight and wireless Emergency ECG pocket device can be applied everywhere and at any time. In less than a minute, a 1-channel ECG analysis can be performed.

The included software allows the physician/therapist to further diagnose your condition, optimize your treatment and detect early complications.

For people who already have high blood pressure, heart rhythm disturbances or other heart and circulatory diseases, this portable device will serve as a very good way to monitor your heart's health for early prevention of possible diseases.

Easy and intuitive ECG measurements for home, office or at play. In only 30 seconds, heart rhythm and pulse are measured and stored. Ideal for prevention and early detection of complications and to support heart disease and high blood pressure patients.

It provides your doctor with useful information regarding your heart's condition.

- ECG and Heart rate values can be measured by layperson and doctors
- For home, leisure, sports and work
- Easy and simply one-hand operation
- Lightweight and compact
- Complete with standard accessories, analysis software and 2 years warranty

# LIFESAIVING TECHNOLOGIES AT YOUR FINGERTIPS!



HeartSine®

Manufactured by:

HeartSine Technologies Ltd. / Canberra House / 203 Airport Road West  
Belfast BT3 9ED / Northern Ireland  
[www.heartsine.com](http://www.heartsine.com)

Asia Distributor

HTM Medico Pte Ltd  
625 Aljunied Road #04-05A Aljunied Industrial Complex Singapore 389836  
Tel: (65) 6744-5911 Fax: (65) 6748-2718  
Email: [sales@htmmedico.com.sg](mailto:sales@htmmedico.com.sg)