

# I SURVIVED!

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



HeartSine®

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. In Australia almost 30,000 people die of Sudden Cardiac Arrest a year.

## It Can Happen to Anybody!

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 000 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 service arrives.



## 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 accepted.

HeartSine Technologies is the first to sell defibrillators via a discount store and or heart Foundations.

### Knowledge

Everyday throughout the country, about 80 people die due a sudden cardiac arrest. In the next 12 months every fifth hundredth person will be affected by some form of cardiac condition.



8 min



+10 min

# Personal Defibrillation Unit PDU400



CE/ISO  
Ip44  
5 years guarantee  
5 years standby time

Integrated memory / Automatic self check / CpR support /  
Audio and Visual aids / Loading time less than 8 seconds.  
Available for adults and children over 8 years of age.

## At Home, In Private, In Free-Time

HeartSine is the international market leader in the defibrillator sector for home and public use. As a result of improved distribution channels and improved operations and supply we guarantee an attractive deal.

### Price can no longer be an argument.

What price can you put on the life of a family member or work colleague? HST would like to see a defibrillator placed next to every fire extinguisher (required by law), as the newest addition to life saving equipment to aid in the early treatment of SCA.

### Save a life at home with the PDU400!

the HeartSine PDU400 is the world's cheapest Lay Rescuer defibrillator. The device is maintenance-free and batteries and electrodes are durable for 5 years. Warranty is 5 years also.

besides modern technology the device is of course CE/ISO certified and is up to the mark for adults and children from the age of eight up or children who weigh more than 25 kg.

After switching on the device, you receive step by step instructions how to proceed. Additionally the device supports you during CPR.

An integrated memory saves data for later evaluation. The device can be reprogrammed cost-free according to the latest guidelines of AHA or the ERC.

Our aim is to bring life saving technology as close as possible to those who need it. We are getting closer to our aim of life-saving devices becoming as available as fire extinguishers in the home or in public places.

# HeartSine PAD 300P



CE/ISO  
Ip56  
7 years guarantee  
3.5 years standby time

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.

# HeartSine PAD 500P



CE 0120  
ISO 13485  
Ip56  
7 year guarantee  
3.5 year standby time battery life  
Patented CPR feedback technology

push faster  
push slower  
push harder  
good compressions

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

# Unrivalled CPR Quality And Feedback

Giving an electric shock is very easy! the “shock” is just a measure to improve the victim’s chance of surviving. After having given the shock, the so called CPR has to be carried out. No matter if you are a layman or a professional rescuer:

70% of all CPR is carried out inadequately!

We have risen to the challenge! of CPR and designed the HST PAD 500p to meet the challenge of CPR and improve patient outcomes! (References available).

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

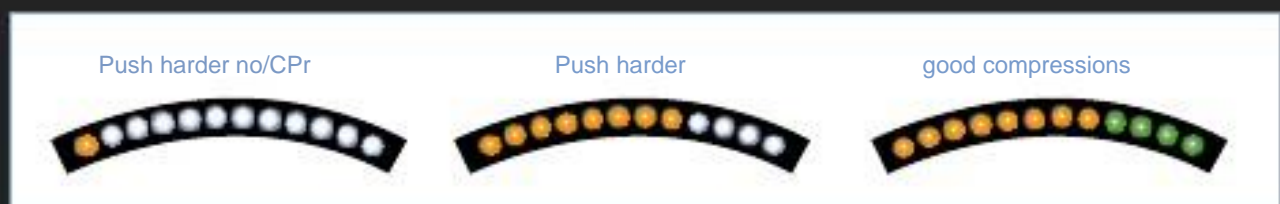
now, heartSine can provide a solution to this problem with the introduction of the heartSine Samaritan PAD with CPR Advisor model 500p. CPR stands for Cardio Pulmonary(lung) Resuscitation which is a combination of pushing the heart to circulate blood to all the vital organs and breathing into the victim 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 PAD 500p guidance.

the heartSine PAD 500p uses a patented Impedance Cardiogram (ICG) to assess how good the CPR is – are the compressions hard enough? The

ICG measures Impedance changes in blood volume in the chest cavity which determines effective CPR.

Since the blood volume is related to how fast the compressions are applied as well as how hard, the PAD can guide you on both – for example – ‘push faster, good compressions’ mean the compressions are too slow but the pressure is good. 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 ok. the aural ‘clicks’ will help you keep time.

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 electrodes must be placed on the Apex – underneath their left arm at the bottom of the ribcage, and the sternum – over the heart itself. 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 in CPR.



# Universal Training Device



# Universal Training Device

This is available in addition to the working unit to provide additional training if / when required. PAD's have been designed for use by untrained lay personnel caught in an SCA situation.

For many people their last training first aid course or resuscitation training was many years ago. Some courses didn't include defibrillator / CPR training.

Training courses should be updated on a regular basis to include resuscitation / Defibrillator training as ERC and AHA guidelines are updated every 5 years to comply with the new recommendations of the governing bodies world-wide.

HST encourage everyone to take part in a training course to help combat the loss of life through SCA. The Universal trainer is one device designed to help / support the trainers fulfil their training obligations.

## Product Overview

	Pdu400	PAd300P	PAd500P
Adult use	X	X	X
Children use		X	X
Lightweight	X	X	X
Two button handling	X	X	X
Voice prompts	X	X	X
Wall bracket	X		
Soft Case	optional	X	X
CE, ISO Approved	X	X	X
Standby Time	5	3.5	3.5
Guarantee time	5	7	7
Data Storage	X	X	X
USB Connection		X	X
SDRM	X		
electrode/battery Cartridge	integrated	yes	yes
CPR Advisor			X

Lifesaving Technologies  
at your Fingertips!



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Manufactured by:  
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belfast bt3 9ed / northern Ireland  
[www.heartsine.eu](http://www.heartsine.eu)

Contact Rivers First Aid for a quote

[www.heartsine.com](http://www.heartsine.com)