

# HeartSine samaritan®PAD with CPR Advisor model 500P



CE 0120  
ISO 13485  
8 year warranty

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



HeartSine®

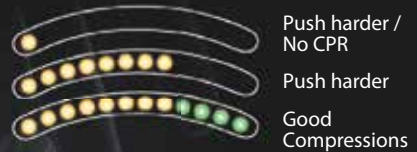
# Defibrillation is easy, CPR is the hard part...

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 - for example - 'push faster, good compressions' means 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 pushing hard enough. 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 left electrode should be placed at the apex to the left side of the patient, just below and to the left of the pectoral muscle, the anterior (right) electrode should be placed on the right, below the clavicle and underneath the left arm 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.



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