

Defibrillation.
Made easy. For everyone.





About Us

As leading suppliers of Automated External Defibrillators (AED's), we have a rich history of delivering both exceptional service and unrivalled products.

We are committed to supporting the life of the products we supply and ensuring quality is never compromised. Our tailored sales and rental options can be adapted to suit all circumstances, along with our added servicing and training packages ensure you will be left with the best solutions for your situation.

Our Price Promise also gives you the peace of mind that you are receiving the best value possible, from on-site demonstrations to dealing with a question over the phone we are committed delivering 100% satisfaction to all of customers.

The services we offer:

- Defibrillator Sales • Rental Packages
- Defibrillator Training • Defibrillator Servicing

Some of our customers



What is a CardiAid AED?

The CardiAid AED (Automated External Defibrillator) was designed to be the simplest and clearest possible defibrillator for public use, making it possible to administer an electric shock with a minimum of delay to anyone suffering acute heart failure.



The CardiAid AED has been designed for public use of defibrillators in mind at places such as children's day care centres, schools, sports complexes, doctors' surgeries, veterinary and dental surgeries, or any type of premises with large work populations.

Why do we need public access defibrillation?

Sudden cardiac arrest (SCA) can strike any person, anywhere, anytime. When someone collapses from SCA, immediate defibrillation and cardiopulmonary resuscitation (CPR) are essential for any chance of recovery. Immediate treatment is critical for SCA victims since survival chances decrease by about 10% with every minute without defibrillation.

SURVIVAL RATE INCREASES BY

90%

IF DEFIBRILLATION OCCURS WITHIN
1 MINUTE OF VICTIM COLLAPSING

THERE ARE APPROXIMATELY

60,000

OUT OF HOSPITAL CARDIAC
ARRESTS OCCURING EVERY YEAR

IN THE UK APPROXIMATELY

270

CHILDREN DIE AFTER SUFFERING
A CARDIAC ARREST AT SCHOOL

Authorities agree that defibrillation should be provided as early as possible, preferably within first 3 to 5 minutes. Even with the fastest emergency medical service system, the professionals may not be able to reach the victim on time. This results in the necessity of the lifesaving defibrillation to be delivered directly on the site of emergency within first minutes and by any responder.



CardiAid Fully-automatic: ▶
No need to press the button
to deliver the shock.
CT0207RF



▲ **CardiAid Semi-automatic:**
One-button operation to provide easier
control for the rescuer. **CT0207RS**

Features of the CardiAid AED

Paediatric treatment possible using paediatric electrodes



Auto-recognition of paediatric mode when special electrodes are plugged in



Accurate ECG detection algorithm with high sensitivity and specificity



Current-based defibrillation technology for the most effective treatment



Improved illustrations and verbal instructions



Recording multi-events up to 3 hours



Pre-configuration more than 35 languages



Easily adaptable to future changes in resuscitation guidelines with configurable functions like voice prompts, CPR duration, CPR sequence (30:2 or compressions-only); and chest compression frequency (100 to 120 bpm)



Ready to communicate with the Cardilink® portal enabling to send data in real-time



CardiLink® software displays the status of your devices in a dashboard in real-time and analyzes your data for the long term monitoring and quality reports. CardiLink® provides a solution for all needs: Uptime Guarantee, Fleet Management, GPS Tracking, emergency notifications, event monitoring and more...

Training & Servicing. Total peace of mind.



CardiAid Training Programme

It is important to ensure calmness and confidence when using a CardiAid AED. This is why our training offer instils confidence and builds knowledge of how to react in the event of a Sudden Cardiac Arrest. Our training includes up to 8 people at your premises and can last between 2-3 hrs.

This is available to purchase separately or can be included in our rental packages.

The course covers and includes:

- What is a Cardiac Arrest
- Basic CPR awareness training
- CardiAid AED Orientation
- Process of dealing with a suspected Cardiac Arrest
- Identifying when to give CPR
- End Of Course Test
- Certificated upon course completion

CardiAid Servicing Programme

CardiAid is a high-quality product which is designed and manufactured with the highest medical standards in mind. At CardiAid we always want to ensure your defibrillator is ready to use and remains in the very best condition. After all, you never know when you might really need it.

Regular checks and periodic servicing are of the utmost importance for any defibrillator. At CardiAid we offer a fixed cost service contract which guarantees that your CardiAid defibrillator is always in good working order.

The CardiAid Commitment.

Complete peace of mind.

We strive to make sure that our customers receive the best service possible. That is why we can offer complete peace of mind when purchasing our products.



PRICE GUARANTEE

The CardiAid Price promise guarantees if you find a similar product or service cheaper elsewhere, we will meet or beat that price.



INFORMATION

As industry experts CardiAid can help with advice on owning and using a defibrillator, in addition we also offer staff training courses.



QUALITY

Our products and services are guaranteed to be of the highest quality. Our products are rigorously tested to ensure all safety guidelines are met.



COMPLIANCE

As Class 1 Medical Devices all of our training and servicing is certificated and we will provide you with documentation of what you have taken with CardiAid.



RELIABILITY

We always aim to deliver our products and services on time and our service procedure ensures your facility is with a defibrillator at all times.



SATISFACTION

Feedback is always important to CardiAid. In order for us to make a difference be honest and let us know what we can do to improve our services.

Technical Specifications

Defibrillation System

Operating Mode:

Automated (CT0207RS: one button operation /CT0207RF: full-automatic)

Wave Form: Biphasic, current-based

Energy Delivery:

Adjusted to patient impedance, Programmable (factory settings)

Delivered Energy - Adult Mode:

170J (Average for 50 Ω at low energy level)

270J (Average for 50 Ω at high energy level)

Delivered Energy - Paediatric Mode:

50J (Average for 50 Ω at low energy level)

75J (Average for 50 Ω at high energy level)

Shock Sequence:

Constant or escalating, Programmable (factory settings)

Charging Time:

Typically < 10 seconds*, Maximum < 15 seconds*

ECG Analysis System

Analysis Time: Typically < 10 seconds *

Derivation: II

Asystole Threshold: <0,160 mV

Specificity NSR / Asystole: >95 **

Sensitivity VF / pVT: >90 **

Reaction to Implanted Pacemaker:

Normal cardiac pacemaker rhythms are not detected as shockable

Movement Detection:

Checks signal quality, gives acoustic warning at patient movement

Operation

Operating Elements:

- i) Automatic switch-on when the cover is opened
- ii) Flashing shock button (one-button operation for CT0207RS, full-automatic operation for CT0207RF)
- iii) Info-button

Info Mode:

Announcement of the elapsed time and number of shocks since device started, when info-button is pressed

Display Elements:

Self-explanatory illuminated symbols (traffic light principle)
Device status indicator symbols (for self-test result)

Self-Test

Schedule:

Automatic; daily, monthly and when device is opened

Timing: Programmable (factory setting)

Scope: Battery, electronics, software, charging

Defibrillation Electrodes

Range of Application:

Adult electrodes for patients >8 years/25kg
Paediatric electrodes for patients 1-8 years/<25kg

Delivery Status:

Disposable, self-adhesive, single-use electrodes; ready-to-use, sealed and packed with connector outside pouch

Polarization: Not polarized (Exchange acceptable)

Active Surface Area: 200 cm² (adult), 80 cm² (paediatric)

Cable Length: 130 cm

Shelf Life: 36 months from the date of manufacture

Data Management

Event Documentation:

Automatic recording of ECG and event data in internal memory up to 4 sessions with a total maximum duration of 2 hours 50 minutes

Data Transfer:

Bluetooth (only for authorized service partners)

Event Review and Device Programming:

Via Bluetooth connection to PC with CardiAid Monitor Software (only for authorized service partners)

Energy Source

Type: Alkaline

Capacity: Up to 210* shocks

Monitoring Capacity: Up to 20* hours

Stand-by Period: 42 Months*

Environmental Conditions

Operation:

- i) Temperature: +0°C to +55°C
- ii) Humidity: 0-95%
- iii) Air Pressure: 572-1060 h/PA

Storage and Transport

- i) Temperature: +0°C to +55°C
- ii) Temperature: -20°C to +70°C (max 2 weeks, without battery & electrodes)
- ii) Humidity: 0-95%
- iii) Air Pressure: 500-1060h/PA

Standards

Device Class: IIb (93/42/EEC)

Resuscitation Protocol: ERC, ILCOR 2015

Norms: IEC 60601-2-4:2010

EMC: EN 60601-1-2: 2015

Free Drop: IEC 60601-1:2005+A1: 2012

Protection Class: IEC 529: IP55
(protected against dust and water jets)

Dimensions and Weight

Dimensions: 301 x 304 x 112mm

Weight: 3,0 kg (including battery and electrodes)



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CardiAid[®]

Public Access Defibrillator

* Measured with a new battery pack, 20°C. Values can vary within a non-significant tolerance and are dependent upon storage and environmental conditions, frequency of use, pre-configured settings and the shelf life of the product.
** The algorithm and the board of CardiAid CT0207 AED offer the optimum combination of sensitivity and specificity. (Published in "Automated analysis of electrical signals of the human body for detecting of life threatening cardiac abnormalities", Igor Tchoudovski, Mensch and Buch Verlag, ISBN 3-89820-984-9, Pg 141)
CardiAid UK, at its own discretion, reserves the right to make changes pertaining to the technical features and the accessories of the device. CardiAid UK, under no condition, shall be liable for any fault of spelling and/or writing in any and all instructive and informational data, documents, images given above and any direct, indirect, accidental, secondary legal or penal loss or damages may arise from them.