



CREST
MEDICAL

Lifeaz Defibrillator

Featuring Monitoring Dashboard

NEW



LIFEAZ

CLARK PRO

Exclusive to
Crest Medical



Importance and Necessity of a Defibrillator

What is a defibrillator?

Defibrillators are used when a person is in cardiac arrest. They deliver an energy shock to the heart (defibrillation). Defibrillators can be used by anyone, and no training is required. Defibrillators work by applying a shock to the casualty, helping restore the heart's regular rhythm – shocks are only applied if a shockable rhythm is detected.

Defibrillators save lives



The chance of surviving cardiac arrest **decreases by 10% per minute** without CPR and the use of a defibrillator. [1]



With average ambulance response times of **6.9 minutes** in the UK, quick access to defibrillators is vital. [1]



15% of out of hospital cardiac arrests (OHCAs) occur in the workplace. [1]



98% of cardiac arrests occur in adults, a third of which are aged 15-64 years. [1]



The Tech

Introducing the Lifeaz Clark Pro Fully-Automatic Defibrillator, exclusively from Crest Medical.

- ✦ The Lifeaz Clark Pro has saved over 50 lives since its release in November 2020 and is equipped in over 15,000 businesses, homes and public spaces.
- ✦ Already established in France, Belgium, Germany, Italy, Spain, Portugal and Denmark.

Proven technology

The technology behind the Clark Pro is based on the latest recommendations from the European Resuscitation Council and the American Heart Association.



BIPHASIC TRUNCATED
EXPONENTIAL



150J ADULT AND
50J CHILD



CONSTANT
ENERGY



4G CONNECTION FOR ENSURED RELIABILITY



DAILY COMPREHENSIVE
AUTO-TESTS



ALERTS AT THE
SLIGHTEST ANOMALY



REGULAR
UPDATES

CLARK PRO ADVANTAGES : ENHANCED MONITORING



TEMPERATURE MONITORING

- ✦ Optimize the battery's lifetime and avoid false alerts.
- ✦ Detect operational defects of the exterior cabinet.



GEOLOCATION

- ✦ Notification in case an AED has been moved, lost, or stolen.
- ✦ Available upon request.



BATTERY LIFE - 4 YEARS

- ✦ Monitor the battery status of all AEDs independently.

Simple and efficient dashboard

Receive notifications when there is a change the device's consumables. The 4G connectivity of Clark Pro allows you to see the status of your defibrillator online. For businesses with multiple sites and defibrillators, personalised dashboards are available.



A digital platform to learn life-saving techniques

Everyday Heroes teaches life-saving techniques in a simple and fun way to all employees or client communities.

With more than 100 mini scenarios, anyone can learn how to intervene in various emergency situations (cardiac arrest, choking, haemorrhage...).

This platform was developed over 3 years by Lifeaz and validated by the Paris Fire Brigade.

Reference: [1] Resuscitation Council UK

The Lifeaz Clark Pro Defibrillator

Easy to use and accessible to all

FIXED CLIPS TO HOLD
PADS WHEN IN TRANSIT
OR STORAGE

UNIVERSAL
PRE-CONNECTED PADS

LOUD AND CLEAR AUDIO

STATUS LIGHTS

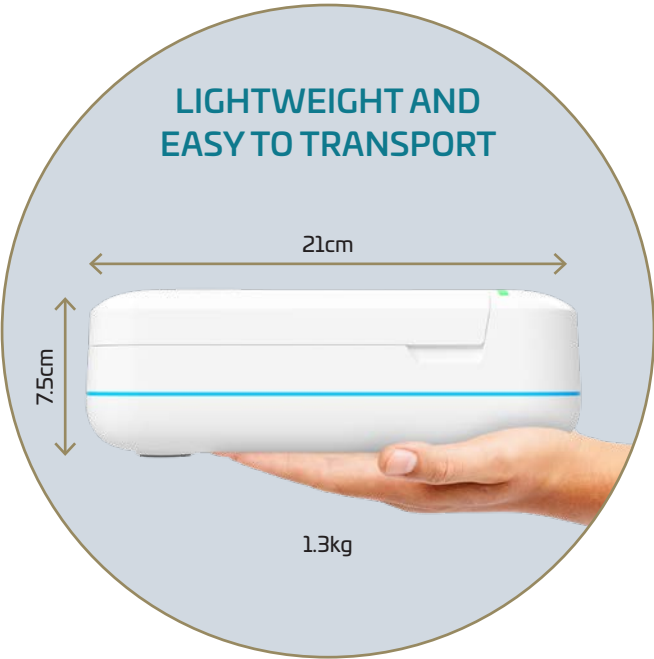
BILINGUAL ENGLISH/
FRENCH



PADS INSTRUCT
THE RESCUER

SWITCH BETWEEN
MODES AT THE PRESS
OF A BUTTON

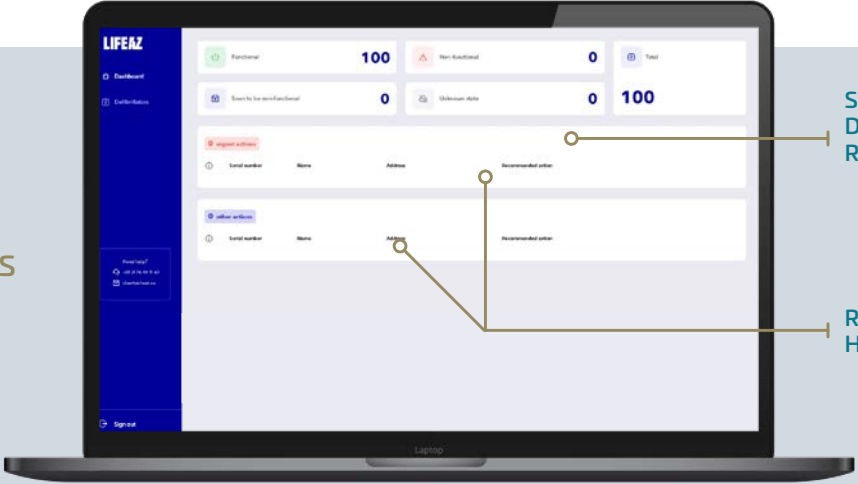
SIMPLE DIAGRAMS TO
ASSIST RESCUER



Remotely Monitor Your Defibrillators

Save time and resources with the Lifeaz monitoring dashboard. Multi-site businesses can easily and remotely track the status of all defibrillators, across all locations. This detailed dashboard allows you to identify any issues, whether it be a change of location or expiration of pads, from one central point. Simple and easy to use, the Lifeaz dashboard takes away the stress and hassle of physical maintenance checks, while giving valuable data to your company on the use and upkeep of your devices.

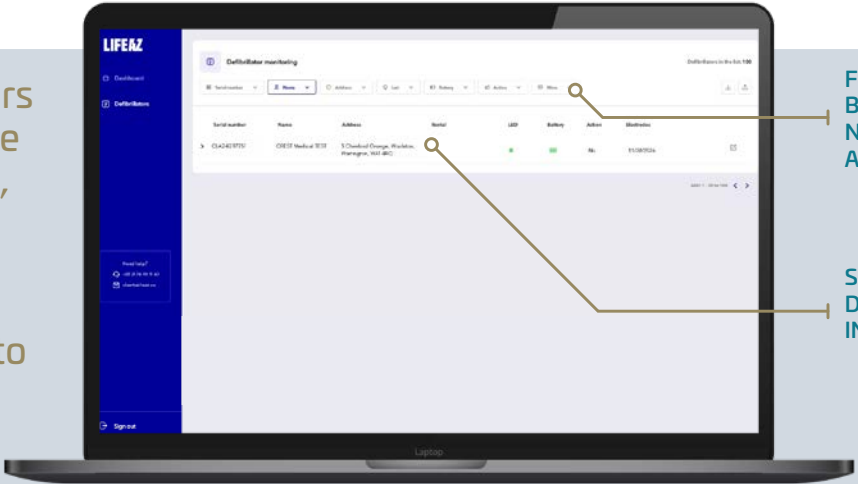
The dashboard allows you to quickly see a summary of all your defibrillators



SEE QUICKLY IF ANY DEFIBRILLATORS REQUIRE ATTENTION

REQUIRED ACTIONS HIGHLIGHTED

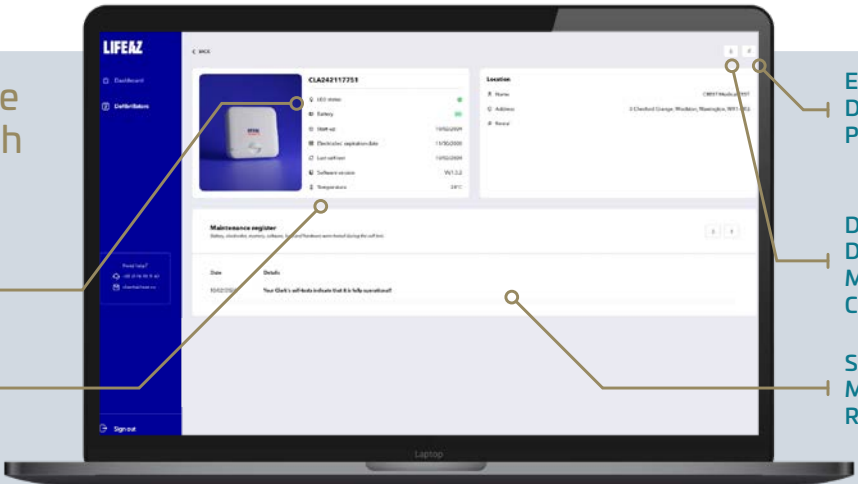
In the defibrillators page, you can see each defibrillator, highlighting the battery status and expiry of the pads connected to each unit



FILTER DEVICES BY SERIAL NUMBER, NAME AND STATUS

SEE EACH DEFIBRILLATOR IN MORE DETAIL

View and manage the details of each unit in depth



DEFIBRILLATOR AND ACCESSORY STATUS

TEMPERATURE MONITORING

EDIT DEFIBRILLATOR PROPERTIES

DOWNLOAD DIGITAL MAINTENANCE CERTIFICATES

SELF AND MANUAL TEST RESULTS

Accessories



Interior wall brackets



Closed interior cabinet



Heated and ventilated outdoor cabinet



Carry bag

Clark's Technical Specifications

DEFIBRILLATOR

Wave: Exponential Biphasic Wave shortened with fixed energy (determined by victim's impedance to defibrillation).

Victim defibrillation impedance: 25 – 1750Ω (Ω)

Shock energy sequence: Energy sequences at 150 Joules in the adult mode and 50 Joules in the child mode.

Shock decision algorithm: An ECG analysis system (algorithm owner Rhythm Analysis Algorithm - RAA) gives an automatic decision for what therapy and shock to deliver. Responding to the rhythm recognition criteria specified in the norm IEC 60601-2-4.

Charge time: Less than 8 seconds with a full battery.

Asystole threshold: Less than 0,2mV.

Warranty: 7 years.

DIMENSIONS

Dimensions and weight with electrodes and battery included:

Height: 7.5 cm

Length: 21 cm

Width: 21 cm

Weight: 1.3 kg

ACCESSORIES

BATTERY

Type: Lithium manganese dioxide battery (Li/MnO₂), 18 V.

Capacity (20°C): 50 guaranteed charges at 150 Joules minimum.

Battery life in standby mode: 4 years estimated. A new battery provides several years of standby power.

Signal for battery replacement: At least 3 shocks remaining at the first visual signal.

Weight: 110 g

ELECTRODES

Universal electrodes for Adult/Child: Can be used on adult and pediatric patients.

Electrode surveillance: A signal is delivered if the electrodes are not correctly connected or if the expiration date has passed.

Electrode condition: Packet with instructions for easy use.

Electrode replacement: Replace every 2.5 years. The electrodes should also be replaced in case of use.

Weight: 100g

USER INTERFACE

ON/OFF BUTTON: Battery control for the device.

Language button: English is the default language of this device. Buttons let you switch to the secondary language (French) and back.

Adult/child mode button: Allows the user to change to child mode to reduce the shocks energy.

LED and buzzer for device's state: Visual LED indication (Green, Orange, Red), audible buzzer indicating systems operations (device, electrodes, battery) and vocal guide.

ENVIRONMENTAL CHARACTERISTICS

Operating temperature: 0 to 40 °C

Storage temperature: -20 °C to +60 °C without battery and electrodes.

Long term storage: Always store the defibrillator with the battery and electrodes in the recommended temperature range, between 5° and 35 °C.

Atmospheric pressure: 700hPa to 1060hPa.

Relative humidity: 20 to 80 % (without condensation).

Water and dust resistance: IEC 60529/EN 60529 IP54 with electrodes connected and battery installed.

Shock and vibrations: Conforms to norms IEC 60601 -1 and IEC 60601-1-11.

Electrical protection: Parts protected from high tension defibrillation conforming to norm CEI 60601 -1/EN 60601-1.

Security classification: Internal power supply. IEC 60601-1/EN 60601-1.

DATA STORAGE

Memory type: Internal digital memory (flash RAM).

ECG storage: 90 minutes for ECG storage

COMMUNICATIONS

Communications: 4G and USB port.

CE 0123 This medical device is a regulated healthcare product which bears CE marking as per its applicable regulation



CREST
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For a Healthier Tomorrow

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