PRIMEDIC
Saves Life. Everywhere.

HeartSave Y | YA

English





HeartSave Y | YA - FIRST CHOICE FOR SECOND CHANCES

Quality made in Germany since 1973

For over 50 years, PRIMEDIC has stood for quality and reliability made in Germany.

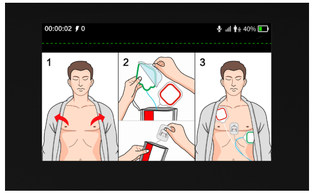
With our extensive expertise in medical technology, we develop high-quality defibrillators that save lives worldwide. Our products combine cutting-edge technology with a robust design to provide reliable support in any situation.

From research and development to production, every step follows the highest quality standards.

PRIMEDIC – FIRST CHOICE FOR SECOND CHANCES.

MADE IN GERMANY SINCE 1973





4,3" COLOR SCREEN

The bright and sharp display of the HeartSave Y | YA automatically adjusts to the surrounding light for optimal visibility. It provides first responders with essential support by displaying key operational information, such as the patient's ECG, number of shocks delivered, and battery status.

Graphically animated instructions guide the first-aider quick and secure through the whole resuscitation - even in situations with loud ambient noise where the voice prompts might be overheared.



CPR-FEEDBACK SENSOR

Thanks to its intelligent algorithm and the preconnected electrodes the CPR-feedback system is activated immediately when used by the first aider.

Using advanced technology and state-of-the-art sensors, our system monitors all parameters of chest compressions in real time. The first aider is optimally supported in their actions with easy-to-understand voice instructions and graphics on the display that ensure that the first aider feels safe at all times during resuscitation.



REMOTE DEVICE MANAGEMENT

With myPRIMEDIC Cloud as a cloud-based all-in-one solution you can manage all your connected HeartSave AEDs.

It allows centralized monitoring and administration with automatic notifications for important events, ensuring your devices are always ready without the need for on-site checks.
Data is transmitted via WiFi or cellular network, utilizing the best available connection. Access is simple and convenient through the app or any browser, regardless of platform.



DESIGNED TO SAVE LIVES

HANDY SIZE AND WEIGHT at just 29,6 x 22 cm and 2,5 kg make it easy to take your HeartSave Y | YA with you wherever you go and whenever you need it

SEMI- / FULLY AUTOMATIC OPERATION provides optimal flexibility to all user groups

4.3“ COLOR DISPLAY with 800 x 480 pixel displays graphically animated instructions, ECG, number of shocks, battery status etc. to clearly guide first aiders in any situation

CHILD BUTTON enables pediatric defibrillation with adjusted energy levels, even without special pediatric electrodes

UP TO 5 YEARS BATTERY & ELECTRODES SHELF LIFE for sustainability and minimized follow-up costs

IOT (LTE & WIFI) allows remote device management and instant push notifications

CPR-FEEDBACK with audio-visual instructions to support first-aiders during CPR and to help optimizing quality of the chest compressions

INTUITIVE USER GUIDANCE of the AED, which can automatically adapt to the user‘s working speed to support the optimization of the CPR procedure

MULTILINGUALISM with up to 4 languages to support first-aiders from different nationalities in public areas

8 YEARS WARRANTY ensures long-term reliability



Smart Connectivity

After each self-test, the AED's current readiness status is transmitted to myPRIMEDIC Cloud via LTE or WiFi, and if any issues are detected you receive an instant push notification.

This significantly reduces the need for frequent on-site inspections of the AED.





myPRIMEDIC Cloud

myPRIMEDIC Cloud operates on a cloud-based platform, providing you with worldwide access to data from all your AEDs anytime, anywhere. Naturally, it is fully GDPR-compliant, with servers located in Germany.





Remote Management

Whether from your PC, your tablet, or smartphone, myPRIMEDIC Cloud lets you manage connected HeartSave AEDs completely platform-independently. Even configuration changes, software updates, and the installation of new guidelines can be conveniently done online and remotely.

"Your AED is ready for use."

This notification gives you a reassuring sense of security?

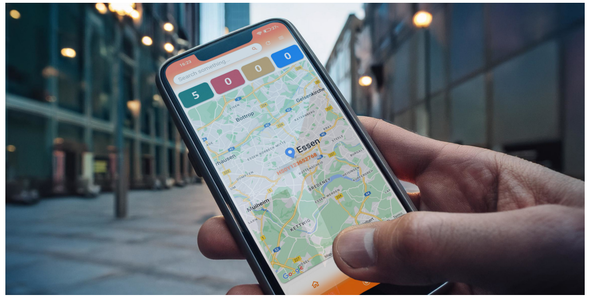
Excellent - that's precisely the purpose of myPRIMEDIC Cloud notifications. They keep you constantly informed about all events concerning your AEDs.

Are the electrodes or battery nearing their expiration date?
myPRIMEDIC Cloud sends you an advance reminder to replace them.

Did one of your AEDs detect an issue during its daily self-test?
myPRIMEDIC Cloud immediately alerts you, enabling you to take action as soon as possible.

Was an AED used in an emergency?
myPRIMEDIC Cloud notifies you promptly after the incident, so you can ensure your AED is ready for the next use without delay.

myPRIMEDIC Cloud notifications are proactive and fully automated. You decide when, how often, and to what extent you'd like to receive updates - whether on your PC, tablet, or smartphone.





Fully automatic operation, without display



Semi-automatic operation, without display



Fully automatic operation, 4.3" LCD color display



Semi-automatic operation, 4.3" LCD color display

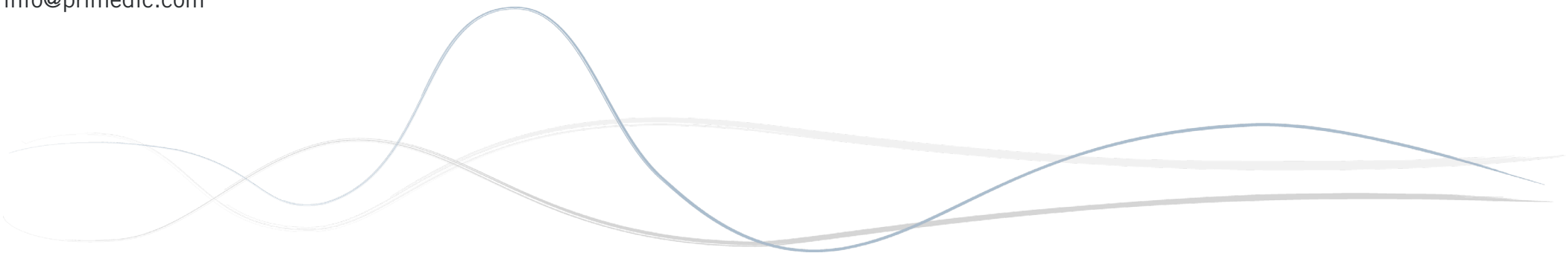
Technical data

- Semi-automated operation - shock delivery at the touch of a button by the first aider
- Fully-automated operation - shock delivery by the AED for reliable defibrillation even for unsafe users
- Shelf life battery: up to 5 years
- Shelf life electrodes: up to 5 years
- Child mode at the touch of a button - no special pediatric electrodes are required in case of emergency
- optionally in up to four languages, selection from numerous languages / language packages possible
- automatic daily self-tests with status display for function, battery, electrodes
- metronome for correct pressure frequency during cardiac massage to support the user
- Automatically escalating defibrillation energy levels (adults: 200J | 300J | 360J, children: 50 J | 70 J | 100 J)
- Internal storage of operational data, export via USB
- 4.3" LCD color display with 800 x 480 pixel *(optional)*
- IoT (LTE & Wifi) for remote device management *(optional)*
- CPR feedback sensor *(optional)*
- dust- and surge-protected (IP 55)
- size approx 296 x 220 x 97 mm
- weight only approx. 2,4 kg
- 8 years warranty ex works

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PRIMEDIC GmbH
Rheinwaldstr. 22
D-78628 Rottweil

+49 (0) 741 257 - 0
info@primedic.com



The features available in myPRIMEDIC Cloud depend on the AED model in use and are accessible in selected countries. Some functions of myPRIMEDIC Cloud require a WiFi and/or cellular Network, which may incur additional costs. For further details, please contact your regional PRIMEDIC partner. Changes in available features or technical advancements may occur at any time.

Release date: 1/2026 I 24904 I Rev. C I EN

Technical data

HeartSave Y | YA

Defibrillation	
Impulse shape	Biphasic truncated exponential (BTE) waveform, auto-compensation according to patient impedance
Energy	10 – 360 J according to patient impedance, individually configurable
Analysis to shock readiness	5 s (depends on the energy level)
Start of the device to shock	approx. 7 sec. to 200J / approx. 14 sec. to 360J
Asystole threshold	< 100 µV
Child mode	Child button
ECG	
Derivation	II
Patient impedance	25 – 300 Ω
Heart rate	30 – 300 per min
Defibrillation electrodes	
Shelf life	up to 5 years
Cable length	1,30 ± 0,06m
Active electrodes area	105 ± 10cm²
Data management	
Internal memory	3GB
Data recording	ECG wave: 10 hours, event recording: 2000 events, CPR data: 10 hours, self test report: 3650
Data export	with USB stick
Power supply	
Battery	NRL01A
Battery-Type	LiMnO2
Voltage	24 V
Capacity (nominal)	2.4 Ah
Shelf life	up to 5 years
Discharges / Shocks	230@200J or 150@360J
Display	
Display size	4.3“ / 10.92 cm, 800 x 480 pixel
Display content	operation guiding, CPR animation, CPR quality, residual battery, intervention time, ECG waveform
Brightness	automatic brightness adjustment based on environment condition
CPR Feedback-System	
External sensor	Measurement of compression depth and compression speed
IoT	
Remote device management	Optional LTE, Wifi, LTE & Wifi
Environmental conditions	
Operating conditions	0°C - 55°C (30 - 95% rel. humidity without condensation, 700 hPa - 1060 hPa) (The device can operate for at least 20 minutes from ambient temperature to -20°C)
Storage conditions	0°C - 50°C (5 - 95% rel. humidity without condensation, 570 hPa - 1062 hPa)
Transportation conditions	0°C - 50°C (5 - 95% rel. humidity without condensation, 570 hPa - 1062 hPa)
Resuscitation guidelines	
ERC	ERC-2025
Protection class	
IP	55
Dimensions	
Height x Width x Depth	29.6 cm x 22.0 cm x 9.7 cm
Weight without power supply	approx. 2.2 kg
Weight with power supply	approx. 2.5 kg

Scope of delivery: 1 HeartSave Y or YA, 1 battery, 1 pair of electrodes, 1 resuscitation-kit, 1 instructions for use

The service life of the HeartSave Y | YA battery is normally up to 5 years, ex works provided that the following conditions are met: The battery is inserted into the device, the device is only ever in standby mode and is not used, j ust the regular self-tests recommended by Metrax are carried out, and the ambient temperature is consistently 20 degrees Celsius (± 5 degrees Celsius). Storing the device outdoors significantly reduces the service life of the battery. Since a wide variety of factors can influence the service life of the battery, Metrax accepts no liability for the service life of the battery.

CE 0123

Release date: 02/2026e | 24369 | EN | H