

HeartSave Y | YA

Ideally suited for every first aider and lay user - ideal for businesses, companies and public institutions

- ▶ Semi-automatic / fully automatic operation
- ▶ Shelf life battery*: up to 5 years / 150 shocks
- ▶ Shelf life electrodes: up to 5 years, pre-connected
- ▶ Child mode and child button
- ▶ 4,3" Color display with animation guidance (optional)
- ▶ IoT (LTE & Wifi) (optional)
- ▶ CPR-Feedback sensor (optional)
- ▶ 8 years warranty



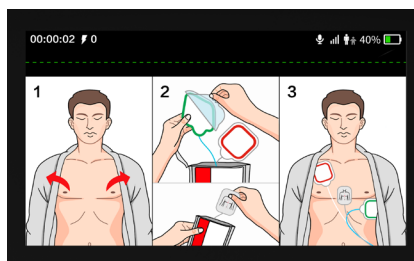
IOT (LTE & WIFI)

Allows remote device management and instant push notifications and connect to the device management tool myPRIMEDIC control



4.3 COLOR DISPLAY

Displays graphically animated instructions, ECG, number of shocks, battery status and more to clearly guide first aiders in any situation



CPR-FEEDBACK SENSOR

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



ADAPTIVE USER GUIDANCE of the AED, which can adapt to the user's working speed to optimize the CPR sequence

PEDIATRIC BUTTON for pediatric defibrillation with adapted energy levels even without special pediatric electrodes

IP55 STANDARD can also be used in challenging environmental conditions.

ERC-2021-COMPLIANT It goes without saying that all new AEDs in the HeartSave series work according to the specifications of the current ERC-2021 guidelines

ESCALATING ENERGY LEVELS up to 360 J for improved effectiveness when multiple defibrillations are required

DAILY SELF-TEST with permanent status display for functional readiness, battery status, electrodes

* Battery: The usual lifespan of the battery is up to 5 years, ex works under the following conditions: The battery is inserted to the device, the device only stays in standby mode and is not used, but only performs usual self-tests at the intervals recommended by Metrax. The environmental temperature is at all times at 20 degrees centigrade (±5 degrees centigrade), so that the lifetime will be significantly lower if the devices are stored at outside temperatures. Due to various parameters that might influence the lifespan of the battery, Metrax does not assume any liability with regard to the lifespan of the battery.

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. 14 sec. to 200J
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	4-5 years
Cable length	1,30 ± 0,06m
Active electrodes area	105 ± 10cm ²

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	NRL01C
Battery-Type	LiMnO2
Voltage	12 V
Capacity (nominal)	4.2 Ah
Shelf life	4-5 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-2021

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, just 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.