

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 μ V
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 $\pm$ 0,06m
Active electrodes area	105 $\pm$ 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	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
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IoT

Remote device management	Optional LTE, Wifi, LTE & Wifi
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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
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Protection class

IP	55
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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 ($\pm$ 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.