

## Specifications

Defibrillation	
Output Energy	Adult - 150 Joule at 50 Ω Pediatric - 50 Joule at 50 Ω (common usage)
Charging Time	less than 8 seconds
Charging Time after CPR finished	at least 8 seconds
Waveform	E-cube two-phase (truncated exponential type)
ECG	
Acquired ECG Lead	Lead II
Frequency Response	1 Hz to 30 Hz
Impedance Range	25 Ω to 175 Ω (shock will not be delivered if the patient's impedance is beyond this range)
Shockable Rhythms	Ventricular Fibrillation or Fast Ventricular Fibrillation
Sensitivity and Specificity	meets ANSI/AAMI DF80 guidelines
Operational Guidance	
Control Devices	Power Button, i-Button, Shock Button (only ME PAD semi), Adult/Pediatric Selection Switch
Status LCD	Displays device status, battery level and pads status
Speaker	Plays back voice instructions. The CU-SP1 analyzes the ambient noise level during a treatment operation. If ambient noise level is high, it automatically increases the voice instructions volume so that you can hear them clearly.
Self-Diagnostic Test	
Auto	Power On Self-Test, Run-time Self-Test Daily, Weekly, and Monthly Self-Test
Manual	Battery Pack Insertion Test (done when the user inserts the battery pack into the battery pack compartment of the device)
Disposable Battery Pack	
Battery Type	12V DC, 4.2Ah LiMnO <sub>2</sub> , Disposable: Long-life
Capacity	At least 200 shocks for a new battery or 8 hours of operating time at room temperature
Standby Life (After inserting battery)	At least 5 years from the date of manufacture if stored and maintained in accordance with the instructions in this document.
Temperature Ranges	Operating: 0° ~ 43° C Storage: -20° ~ 60° C

Pads	
Adult Defibrillation Pads	Electrode Area: 120 cm <sup>2</sup> Cable Length: Total 120 cm (Inside the pouch: 95 cm, Outside the pouch: 25 cm) Shelf life: Up to 30 months from the date of manufacture
Pediatric Defibrillation Pads	Electrode Area: 46,43 cm <sup>2</sup> Cable Length: Total 120 cm (Inside the pouch: 80 cm, Outside the pouch: 40 cm) Shelf life: Up to 24 months from the date of manufacture

Data Storage and Transfer	
Internal Memory Data Capacity	5 individual treatments, up to 3 hours per treatment
SD Card	External memory. Data may be copied from the internal memory to the SD Card
IrDA	For PC communications

Standards	
Sealing	meets DIN EN 60529: IP55
ESD	meets EN 61000-4-2:2001
EMI (Radiated)	meets EN 60601-1-2 limits, method EN 55011:2007 + A2:2007, Group 1, Class B
EMI (Immunity)	meets IEC 60601-1-2 limits, method EN 61000-4-3:2006 + A1:2008 Level 3 (10V/m 80MHz to 2500MHz)
Vibration	Operating: Meets MIL-STD-810G Fig.514.6E-1, random Standby: Meets MIL-STD-810G Fig.514.6E-2, swept sine(helicopter)
Altitude	0 to 15,000 feet (operational and storage)
Drop	withstands 1.2-meter drop to any edge, corner, or surface
Environmental Conditions	Operation: 0° ~ 43° C, 5% ~ 95% (non condensing) Standby: 0° ~ 43° C, 5% ~ 95% (non condensing) Transport: -20° ~ 60° C, 5% ~ 95% (non condensing), device only
Languages	German, English, French, Danish, Spanish, Norwegian, Italian, Czech, Portuguese, Greek, Swedish, Dutch, Polish, Lithuanian More languages are planned
Dimensions	260 x 256 x 69,5 mm (WxLxH)
Weight	2,4 kg including battery pack & pads

## Optional Accessories



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Welcome to healthcare

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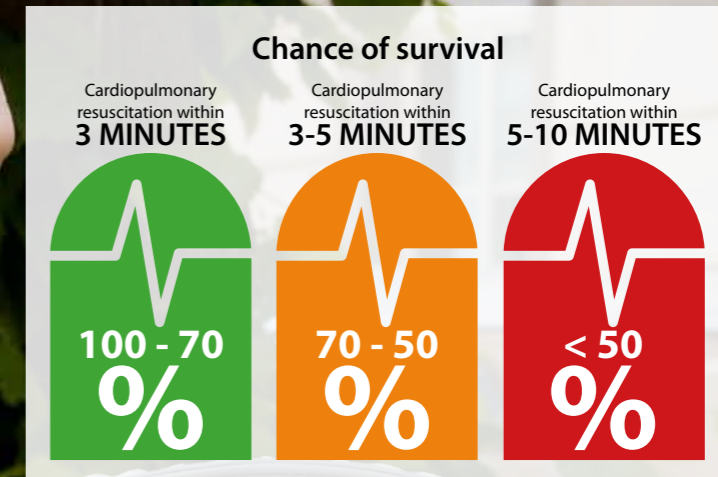
Every second counts

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Semi-Automatic ME PAD  
& Fully Automatic ME PAD



## ME PAD



## ME PAD Automatic



- ME PAD semi-automatic & ME PAD fully automatic speak 16 different languages
- All relevant data of the last 5 resuscitations are internally saved
- Strong Lithium-ion battery guarantees a standby time of up to five years or up to 200 shocks at full power
- Automatic volume adjustment to the surrounding volume
- Emergency change to pediatric use (below 25 kg) without changing pads
- Fulfills military standard MIL-STD 810G and IP 55
- Internal quality control of pads
- Always up-to-date through software updates
- Automatic self-test

## Immediate action can save lives

Sudden cardiac death is a direct result of cardiac arrhythmias with approximately 150,000 cases per year in Germany alone, now one of the leading causes of death. The unexpected cardiac and circulatory arrest leads after one to two minutes to unconsciousness. Without help it decreases the chance of survival of the patient, by about 10-12 % with each additional minute.

If there is a risk of a sudden cardiac death, the only saving measure is the so-called early defibrillation. ME PAD & ME PAD automatic have been specifically developed for use by laymen. Clear voice instructions and pictograms guide the helper through the entire resuscitation. Thus, without prior medical training, professional help can be immediately provided.

## Early defibrillation increases the chance of survival