# Specifications

| Defibrillation | |
|---|---|
| Output Energy | Adult - 150 Joule at 50 Ω<br>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 expotential type) |

| ECG | |
|---|---|
| Acquired ECG Lead | Lead II |
| Frequency Response | 1 Hz to 30 Hz |
| Impendance Range | 25 Ω to 175 Ω<br>(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<br>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 LiMnO2, 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 cm² |
| | 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 cm² |
| | 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<br>(10V/m 80MHz to 2500MHz) |
| Vibration | Operating: Meets MIL-STD-810G Fig.514.6E-1, random<br>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)<br>Standby: 0° ~ 43° C, 5% ~ 95% (non condensing)<br>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<br>More languages are planned |
| Dimensions | 260 x 256 x 69,5 mm (WxLxH) |
| Weight | 2,4 kg including battery pack & pads |

## Optional Accessories

Wall Holder

Pads

Wall Cabinet

Battery

Pediatric Pads

Bag


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*Welcome to healthcare*


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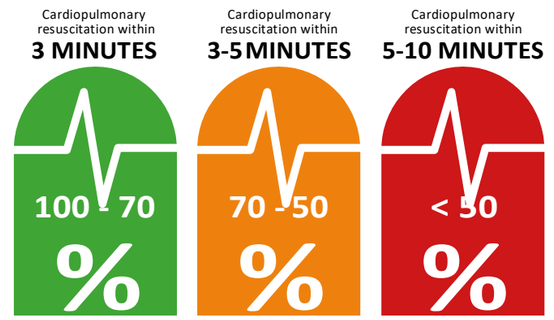
# Semi-Automatic ME PAD & Fully Automatic

## ME PAD


- 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 sorrounding volume
- Emergeny change to pediatric use (below 25 kg) without changing pads
- Fullfills military standard MIL-STD 810G and IP 55
- Internal quality control of pads
- Always up-to-date through software updates
- Automatic self-test

**Early defibrillation increases the chance of survival**

### Chance of survival




## ME PAD Automatic


**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.