MEDUCORE Standard
Defibrillation, Monitoring and Ventilation in One Hand
The perfect partner for everyday demands in emergency medical care

You are the first helper to arrive at the scene of an emergency. Flashing blue lights, hectic situation, excited passersby. An individual is found who is not breathing and has no pulse. As a paramedic, you know: Every second counts in such an emergency! And now you’re faced with the prospect of having to make complicated device settings as well? There just isn’t enough time!

In such a situation, you can count on MEDUCORE Standard as your strong partner – after just a few steps, the monitor/defibrillator guides you through the stages of resuscitation. The intuitive menu assistance, clear voice instructions and a metronome for maintaining the correct cardiac massage rate ensure you always have a clear overview. Simultaneous shock charging by MEDUCORE Standard while automatically analyzing the cardiac rhythm in AED mode means that, if required, shock administration can take place immediately so as to ensure cardiac massage is interrupted for as short a period as possible for defibrillation.

If you choose a device with the “manual defibrillation” option, as a trained user you can, of course, also trigger shock administration manually and dispense with automatic cardiac rhythm analysis. A professional alarm system guarantees the necessary level of safety. Furthermore, the large and bright color display means you have the key patient parameters in sight at all times – as well as, depending on your requirements, SpO₂ measurement and 6-channel ECG. And, because human lives often have to be saved in the hardest-to-reach sites imaginable, MEDUCORE Standard features a compact, tough design and a long battery life. Altogether, this makes it the perfect partner in the toughest conditions!
Often just as crucial for saving the lives of emergency patients as continuous monitoring: Oxygen therapy or ventilation at the same time. Whereas several separate therapy components were needed in the past to provide this, it is now possible to combine MEDUCORE Standard with a MEDUMAT ventilator. Configured individually to meet your needs and mounted on the LIFE-BASE portable system, a unit consisting of defibrillation, monitoring, oxygen therapy and ventilation is created – portable in one hand and a world-wide first!

Defibrillation, monitoring and oxygen therapy all in one device – a world-wide first!

Whether used as a stand-alone device or smartly combined when transporting patients, for first responder deployment or civil protection, for ambulance services or in a hospital, MEDUCORE Standard combines intuitive operation and high-quality therapy options with mobility and extreme resilience. Outstanding support in challenging applications!

Your benefits at a glance

- Clear overview – large color display shows key vital parameters
- Intuitive – simple to operate and easy menu navigation
- Safe – clear alarm system
- Robust – resilient design
- Mobile – can be used as a stand-alone device or in a smart combination, with battery for long operating time
MEDUCORE Standard – Your perfect partner for first responder teams, ambulance services, military medical corps, civil protection, patient transport and hospitals

Patient transport
When transporting a patient becomes an emergency: Defibrillation and monitoring are immediately at hand, both at the emergency scene and in the ambulance. When combined with an oxygen cylinder and a ventilator on our LIFE-BASE portable system, you also have the option of providing oxygen therapy or ventilation as well.

First responders
When you’re the first helper to attend to a patient in an emergency: You’ve really got your hands full. As a mobile system, MEDUCORE Standard is ideally suited for providing initial treatment for emergency patients. It can be carried in just one hand and is quickly ready for use on the patient.

Medical Service
Whether on foot patrol or in a medical tent – MEDUCORE Standard provides optimum Basic Life Support functions: Monitoring of ECG, heart rate, pulse rate and oxygen saturation. In the event of resuscitation, the user is provided with safe support by means of the AED mode.
Civil protection
MEDUCORE Standard ensures you have safety on your side, even in the most adverse conditions thanks to its intuitive operating features. When paired up with MEDUMAT Standard² and a mobile oxygen supply on the LIFE-BASE portable system, you have the key functions for rescuing human life constantly available to you.

Hospital
MEDUCORE Standard as the perfect partner in everyday hospital work: Whether to be used in intra-hospital transport or by emergency teams – MEDUCORE Standard provides optimum support during mobile monitoring or defibrillation in emergencies.

Military Medical Corps
The small amount of space needed and its strong design make MEDUCORE Standard a strong partner for use in military surroundings. When combined with MEDUMAT Standard² on the LIFE-BASE portable system, the perfect combination between defibrillation, monitoring and ventilation is formed.
Ø Just One Push of a Button Away: The Optimum Mode

Patient monitoring in monitor mode
- Large color display
- 6-channel-ECG measurement with up to two ECG curves
- \( \text{SpO}_2 \) measurement and display of pulse rate
- Alarm limits can be set
- Volume for alarms and QRS tone can be set

Support during resuscitation in AED mode
- Automatic cardiac rhythm analysis and preparation for defibrillation
- Voice and text instructions
- Metronome
- Display of ECG lead
- Extensive range of operator settings for regional requirements
- AED mode for children and adults

Manual defibrillation for experienced users
- Adjustable shock energy
- Biphasic defibrillation impulse
- Impedance compensation
- Alarm sounds for asystole and VF/VT
- Time elapsed since most recent defibrillation is displayed
- Number of defibrillations carried out is displayed
- Manual mode can be disabled
Intuitive Operation
Ensures Highest Level of Safety

1. Front terminal
Sensor connecting sockets which cannot be mixed up and can be preconnected, accessible from the front

2. Robust housing
Designed to stand up to the toughest conditions in emergency use, robust and compact housing with minimal weight

3. Professional alarm system
By means of adjustable alarm limits, alarm muting and alarm canceling

4. Rechargeable battery
For up to 6 hours monitoring

5. Color display
The key vital parameters heart and pulse rate and oxygen saturation always available at a glance thanks to bright color display

6. Intuitive operation
Fast and safe operation by means of clear function buttons and simple menu structure

More information and videos about MEDUCORE Standard can be found in the download center on our website: weinmann-emergency.com
Examples of Configuration Options

1. Choose your device, e.g.:
   - MEDUCORE Standard

2. Option to combine with the following ventilators
   - MEDUMAT Standard²
   - MEDUMAT Easy CPR

3. Choose your software options, e.g.:
   - 6-channel ECG
   - Manual defibrillation

4. Select your preferred accessories, e.g.:
   - ECG cable (ERC or AHA)
   - Defibrillation electrodes for adults or children
   - Pulse oximetry sensor

5. Select your portable system with or without oxygen cylinder, e.g.:
   - LIFE-BASE portable system
   - Protective transport bag

6. Select pressure reducer and oxygen cylinder, e.g.:
   - OXYWAY pressure reducer
   - Steel or aluminum cylinder

Your individual configuration

- MEDUCORE Standard on LIFE-BASE 1 NG XS with protective transport bag
- MEDUMAT Easy CPR with MEDUCORE Standard on LIFE-BASE 1 NG XL
- MEDUMAT Standard² with MEDUCORE Standard on LIFE-BASE 3 NG
Accessories and Consumables

1. Defibrillation electrodes for adults
   - Defibrillation electrodes for children
     WM 40116
     WM 45171
2. ECG cable ERC
   - ECG cable AHA
     WM 45150
     WM 45173
3. SpO₂ connection cable
   - SpO₂ sensor size S
     WM 45152
     WM 45126
4. SpO₂ sensor size M
   - SpO₂ sensor size L
     WM 45127
     WM 45128
5. Adapter cable for connecting MEDUCORE Standard to Laerdal/Ambu manikin
   - PC software DEFlview
     WM 45236
     WM 45120
6. Battery recharging station
   WM 45190
   WM 45045
7. Rechargeable battery
   - ECG simulator
     WM 45007
MEDUCORE Standard

**Device dimensions (W x H x D):** 206 mm x 137 mm x 130 mm

**Weight, incl. battery:** 2.2 kg

**Product class according to Directive 93/42/EEC:** IIb

**Operating conditions**
- Temperature range: 0°C to 50°C
- Humidity: 0% RH to 95% RH
- Air pressure: 533 hPa to 1100 hPa

**Storage conditions**
- Device temperature range with battery and without pads: -30°C (maximum 48 hrs) to 70°C
- Temperature range with pads: 0°C to 50°C
- Humidity: 0% RH to 95% RH without condensation

**Operating time:** Approx. 6 hours monitoring

**Power supply:** 12 to 15 volts

**Charging time from 0 to 95%:** Approx. 3.5 h

**Display**
- 5.7” TFT color display
- Resolution: 320 pixels x 240 pixels

**Information displayed**
- ECG curves: I, II, III, avR, avL, avF
- ECG lead via defibrillation electrodes
- Heart rate, pulse rate, oxygen saturation
- SpO2, plethysmogram
- Time, duration of use, time following last analysis (AED and manual mode only)
- Number of shocks administered
- Battery capacity
- Causes of alarm
- Instructions for carrying out cardiopulmonary resuscitation
- Defibrillation energy

**ECG monitoring**
- Patient connection: 4-pole ECG cable
- Heart rate: 30 to 250 /min
- Feed rate: 25, 50 mm/s

**Saving of operating data**
- Internal memory: approx. 7 h
- SD card (2 GB): approx. 150 h

**Defibrillator**
- Wave shape: biphasic, current-limited, impedance-compensated
- Energy level: can be set from 1 J to 200 J
- Charging duration: approx. 8 s (200 J)
- Shock sequence: can be programmed: constant or escalating
- Patient impedance: maximum 200 Ω, minimum 5 Ω

**AED mode**
- Report: ERC 2015
- Duration of analysis: 8 s
- Voice prompts: adjustable: only applies to defibrillation or cardiopulmonary resuscitation, incl. defibrillation
- Metronome, adjustable: 100 /min., 110 /min., 120 /min., deactivated
- Duration between cardiac rhythm analyses: can be set: 75 to 300 s
- ECG display: can be set: Pad lead
- Plethysmogram: can be set

**Alarm system**
- Alarm limits regulated: heart rate (30 to 250 /min), pulse rate (30 to 250 /min), oxygen saturation (85 to 99%)
- Pausing of audio alarm output, adjustable: 1, 2, 5, 10 minutes or permanently
- Alarm sound cancellation

**Start mode**
- Regulated

**Classification acc. to EN 60601-1**
- Type of protection against elec. shock
- Degree of protection against elec. shock: SpO2/ECG/Pad
- Degree of protection against penetration of dust/water: protection class II

**Built-in languages for user interface and voice prompt**
- Arabic
- Brazilian Portuguese
- Chinese
- Croatian
- Czech
- Dutch
- English
- Farsi
- French
- German
- Hindi
- Indonesian
- Italian
- Polish
- Portuguese
- Romanian
- Russian
- Spanish
- Thai
- Turkish

**Standards used**
- EN 60601-1, EN 1789, RTCA DO 160 F, EN 60601-2-4, EN 60601-2-27, EN 60601-1-8

**Technical Data and changes reserved.**

Made in Germany
Simply Professional

WEINMANN Emergency is a family-owned, internationally active medical technology company. With our mobile system solutions for emergency, transport and disaster medicine, we set standards for saving human lives. In close collaboration with professional users in emergency medical services, hospitals and military medical corps, we develop innovative medical products for ventilation and defibrillation. For more than 100 years we have offered our customers a high degree of reliability, extensive experience and quality made in Germany.

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