MEDUCORE Standard

Defibrillation, Monitoring and Ventilation in One Hand

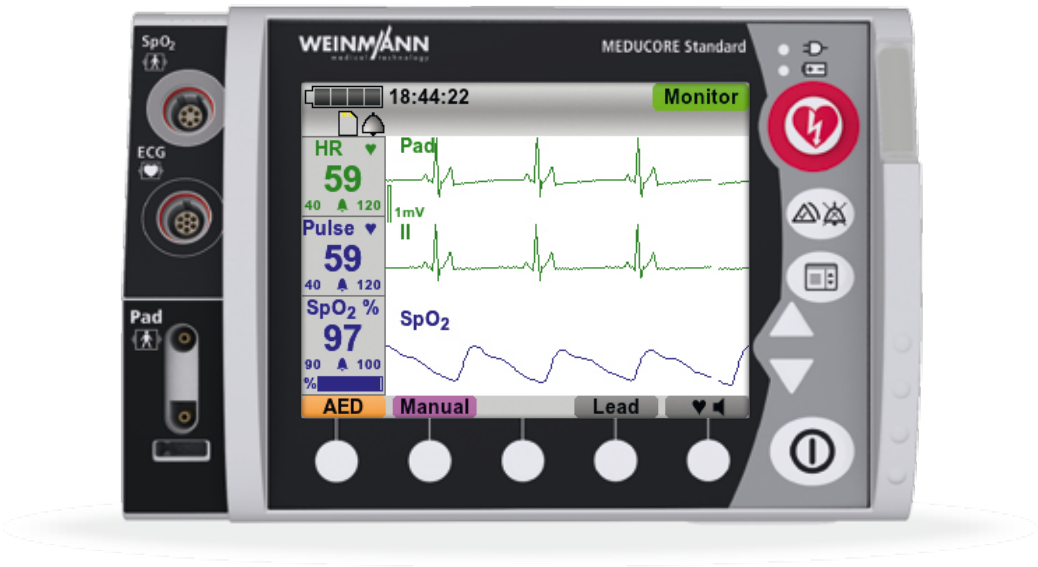
MEDUCORE Standard

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, SpO_2 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!



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

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!

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

Ideal for your Needs

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

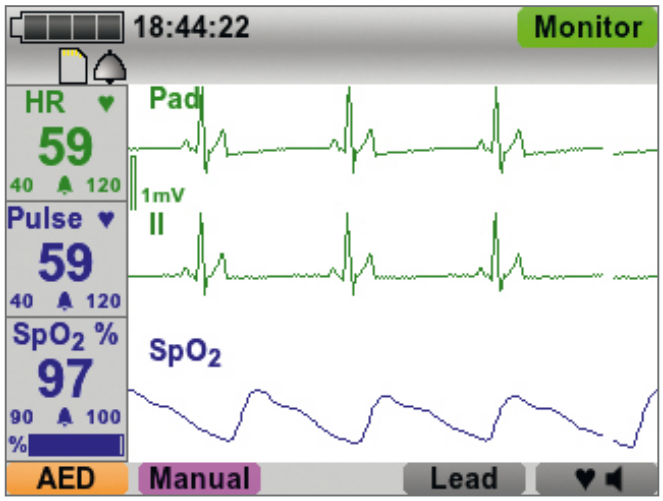
MEDUCORE Standard as the perfect partner in everyday hospital work: Whether to be used in intra-hospital transport or by emergency teams – MEDUCORE Standard provides optimum support during mobile monitoring or defibrillation in emergencies.

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.

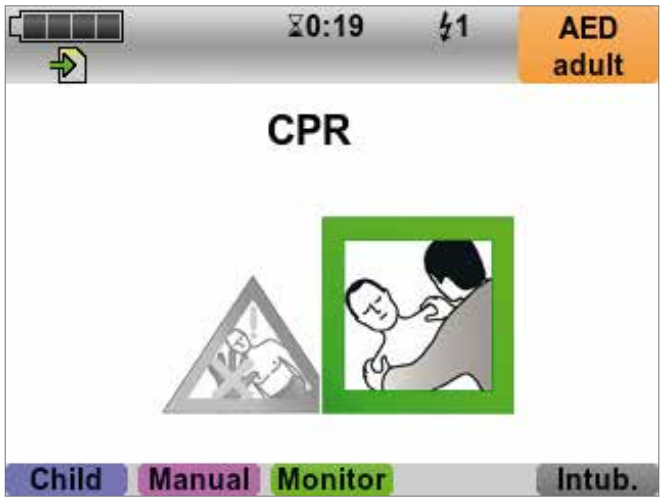
Photograph: Military medical corps of the German Federal Armed Forces

Just One Push of a Button Away: The Optimum Mode



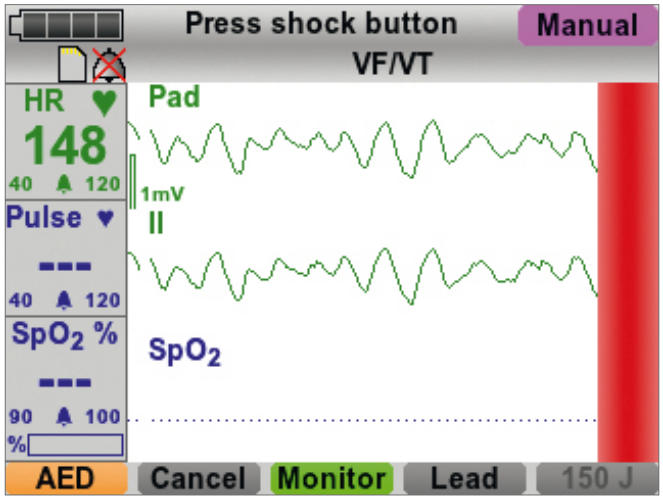
Patient monitoring in monitor mode

- Large color display
- 6-channel-ECG measurement with up to two ECG curves
- 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

+ Option to combine with the following ventilators

MEDUMAT Standard²

MEDUMAT Easy CPR

2 Choose your software options, e.g.:

6-channel ECG

Manual defibrillation

3 Select your preferred accessories, e.g.:

ECG cable (ERC or AHA)

Defibrillation electrodes for adults or children

Pulse oximetry sensor

4 Select your portable system with or without oxygen cylinder, e.g.:

LIFE-BASE portable system

Protective transport bag

5 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

WEINMANN
medical technology

Accessories and Consumables

1

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1.	Defibrillation electrodes for adults	WM 40116
•	Defibrillation electrodes for children	WM 45171
2.	ECG cable ERC	WM 45150
•	ECG cable AHA	WM 45173
3.	SpO_2 connection cable	WM 45152
•	SpO_2 sensor size S	WM 45126
4.	SpO_2 sensor size M	WM 45127
•	SpO_2 sensor size L	WM 45128
5.	Adapter cable for connecting MEDUCORE Standard to Laerdal/Ambu manikin	WM 45236
•	PC software DEFIview	WM 45120
6.	Battery recharging station	WM 45190
7.	Rechargeable battery	WM 45045
•	ECG simulator	WM 45007

Technical Data

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 • Humidity • Air pressure	0°C to 50°C 0% RH to 95% RH 533 hPa to 1100 hPa
Storage conditions	• Device temperature range with battery and without pads • Temperature range with pads • Humidity	-30°C (maximum 48 hrs) to 70°C 0°C to 50°C 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 • SpO_2 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 • Heart rate • Feed rate	4-pole ECG cable 30 to 250 /min 25, 50 mm/s
Saving of operating data	• Internal memory • SD card (2 GB)	approx. 7 h approx. 150 h
Defibrillator	• Wave shape • Energy level • Charging duration • Shock sequence • Patient impedance	biphasic, current-limited, impedance-compensated can be set from 1 J to 200 J approx. 8 s (200 J) can be programmed: constant or escalating maximum 200 Ω, minimum 5 Ω
AED mode	• Report • Duration of analysis • Voice prompts • Metronome, adjustable • Duration between cardiac rhythm analyses • ECG display • Plethysmogram	ERC 2015 8 s adjustable: only applies to defibrillation or cardiopulmonary resuscitation, incl. defibrillation 100 /min., 110 /min., 120 /min., deactivated can be set: 75 to 300 s can be set: Pad lead can be set
Alarm system	• Alarm limits regulated: • Pausing of audio alarm output, adjustable • Alarm sound cancellation	heart rate (30 to 250 /min), pulse rate (30 to 250 /min), oxygen saturation (85 to 99%) 1, 2, 5,10 minutes or permanently
Start mode	Regulated	AED mode, monitor mode
Classification acc. to EN 60601-1	• Type of protection against elec. shock • Degree of protection against elec. shock SpO_2/ECG/Pad • Degree of protection against penetration of dust/water	protection class II protection class BF/CF/BF IP54
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	

CE 0197

Certified Quality Management System meeting EC directive 93/42/EEC, Annex II (EN ISO 9001:2008/EN ISO 13485)

Technical details 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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