

MEDUCORE Standard²

Defibrillation, Monitoring and Ventilation in One Hand



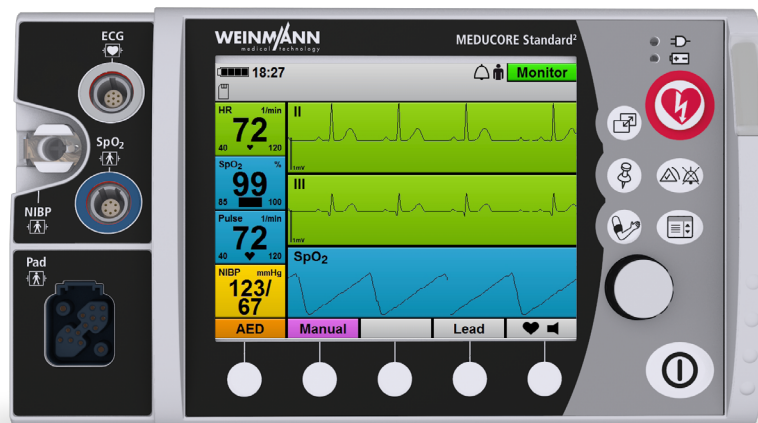


MEDUCORE Standard²

Defibrillation, monitoring and ventilation in one hand

The patient is lying on the floor, is unresponsive and appears lifeless. You know very little about their current state. You check the vital functions. You cannot feel a pulse and there are no signs of breathing. The patient has to be resuscitated! You have to act quickly and correctly. It is crucial that you start performing life-saving measures immediately!

User-friendly technology of the highest medical standard is all-important here and MEDUCORE Standard² won't let you down. The practical defibrillation and monitoring unit can be quickly transported to the scene of an emergency and allows you to monitor all the important parameters effectively or, alternatively, assists you with resuscitation to ensure the right steps are taken up to shock delivery.



Safe guidance through resuscitation stages

In AED mode, MEDUCORE Standard² guides you safely through resuscitation with voice prompts and metronome. The optional mode for manual defibrillation offers trained rescue workers additional flexibility since shock energy and shock delivery can be controlled manually.

Thanks to the integrated 6-lead ECG, all the ECG leads relevant for patient monitoring are available. You always have the peripheral pulse rate and oxygen saturation under control with the integrated SpO₂ measurement. As MEDUCORE Standard² features an automatic NIBP measurement, the device is also able to monitor blood pressure – non-invasively and without you having to do a thing. This leaves you free to focus on what really matters! The professional alarm system with a wide range of setting options guarantees maximum safety for both the user and patient.

Your benefits:

- Can be combined with MEDUMAT ventilators and oxygen cylinder
- Non-invasive, quick and simple blood pressure monitoring with the automatic NIBP measurement
- 6-lead ECG offers all the key leads for patient monitoring: I, II, III, aVR, aVL, aVF
- Control of peripheral pulse rate and oxygen saturation through SpO₂ measurement
- Guideline-compliant resuscitation when using the AED mode
- High level of flexibility thanks to the option of setting the energy and delivering the shock manually
- Compact and light with a weight of less than 5.5 kg as ready-to-use device incl. accessories
- Maximum safety for users and patients thanks to the professional alarm system

WEINMANN Emergency as a matter of course

It goes without saying that MEDUCORE Standard² can be individually mounted on our LIFE-BASE portable system. Moreover, MEDUCORE Standard² can be combined with the MEDUMAT Standard² or MEDUMAT Easy CPR emergency and transport ventilator and/or an oxygen cylinder. The use of both devices on a portable system results in an ideally coordinated unit for defibrillation, monitoring and ventilation in one hand!



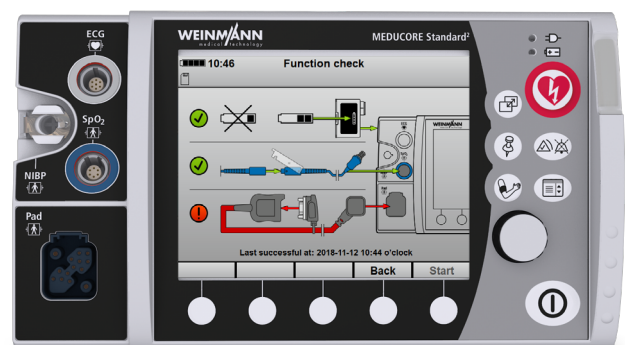
MEDUMAT Standard² with MEDUCORE Standard²
on LIFE-BASE 3 NG



⚡ The Right Setting Is Just a Single Click Away

MEDUCORE Standard² makes it easy to start patient care!

The start menu features a quick selection feature for predefined patient groups; you choose between infant, child and adult and MEDUCORE Standard² starts the application with the appropriate device settings. All the other setting options can be simply controlled using the intuitive and easy-to-understand operation features. The navigation knob allows you to move through the menus quickly and safely.



Preset for each patient group:

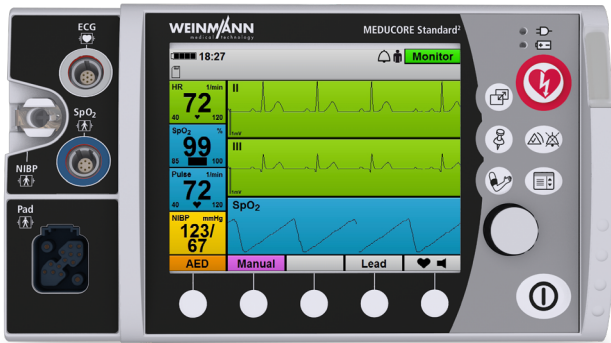
- Alarm settings
- Cuff pressure for NIBP measurement
- Metronome and Compression-Ventilation ratio in AED mode
- Shock energy in manual mode

Always prepared for any emergency

MEDUCORE Standard² is ready to hand! You can perform a function check directly from the start menu. The device guides you through the testing of all safety relevant functions step by step – without having to start the device's actual monitoring/therapy mode.

The most important parameters in focus

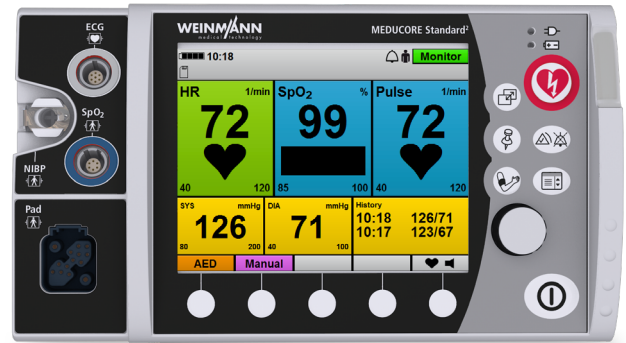
MEDUCORE Standard² gives you the choice. Do you wish to use the conventional curve view to monitor the vital parameters? Or would you prefer to perform monitoring with large symbols and clear, numerical values? MEDUCORE Standard² offers both giving you maximum flexibility. You can switch between the curve and parameter view at the click of a button, even when in use.



Curve view

In the curve view, you can view and assess the ECG curves and plethysmogram. 6 Einthoven and Goldberger ECG curves are shown and their displayed amplitude and feed rate can be adjusted. A basic ECG can be derived from this, which assists you with diagnostics.

Moreover, the small parameter fields provide a quick overview of the vital parameters of heart rate, oxygen saturation, pulse rate and blood pressure.



Parameter view

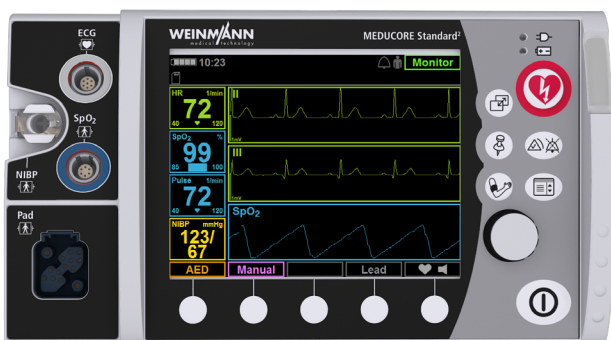
The parameter view displays the measurements for heart rate, pulse rate, oxygen saturation and blood pressure in large figures.

This is ideal if you wish to read the display from longer distances. This means that during transportation in particular, you can remain seated in the vehicle and still have a good view of all the important measurements.

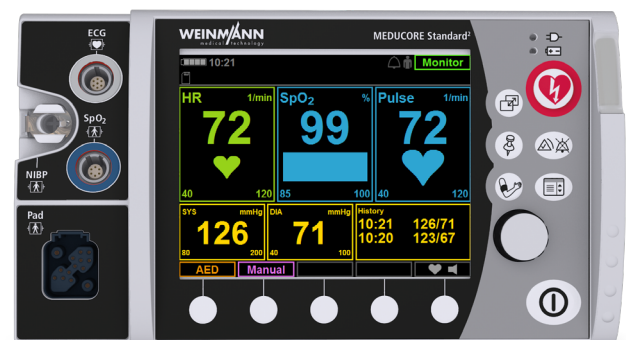
The night view's high-resolution display means enhanced safety for you

Both the curve and parameter views can be displayed in night view mode. Disruptive glare effects are minimized by inverted colors and the patient parameters can be read under challenging visual conditions and even in complete darkness.

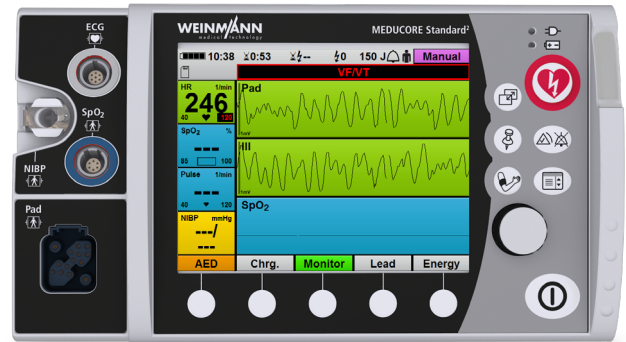
Curve night view



Parameter night view



⚡ The Ideal Mode at the Touch of a Button

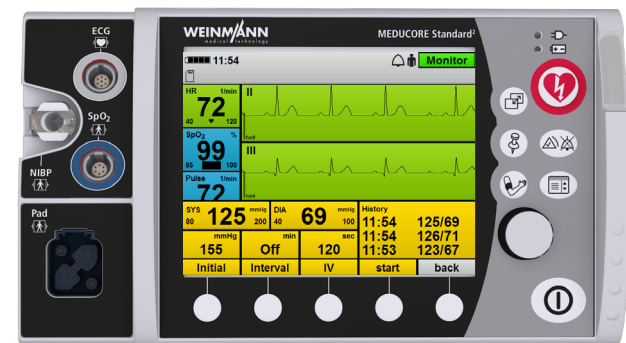
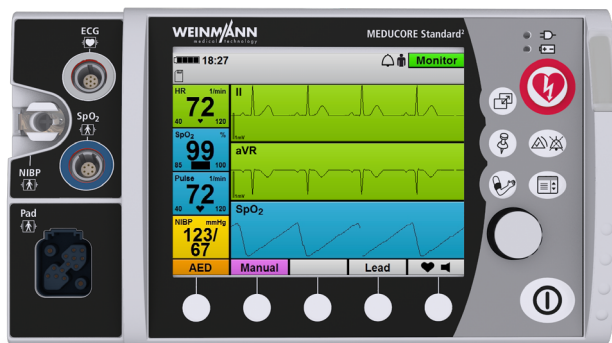


Support during resuscitation in AED mode

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

Manual defibrillation for experienced users (optional)

- 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 (can be set)



Vital parameters at a glance in Monitor mode

- The 6-lead ECG with the leads: I, II, III, aVR, aVL, aVF
- Display of heart rate, pulse rate, oxygen saturation and blood pressure
- Switchover to parameter view at the touch of a button
- Quick access to AED mode, NIBP mode and manual mode at the touch of a button

Non-invasive blood pressure measurement in NIBP mode

- Automatic measurement of blood pressure and visualization of the last three historical values
- Continuous monitoring of blood pressure with automatic interval measurement
- Tourniquet function for using the blood pressure cuff for stasis in order to puncture peripheral venous vessels.

First-class Components for Professional System Solutions



1. Front terminal

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

2. Robust, compact housing

Designed to stand up to the toughest conditions in emergency use, with minimal weight

3. Professional alarm system

With large and bright LED light, adjustable alarm limits, alarm muting and alarm canceling

4. Rechargeable battery

For up to 5.5 hours of monitoring or approx. 350 shock deliveries of 200 J

5. High-resolution color display

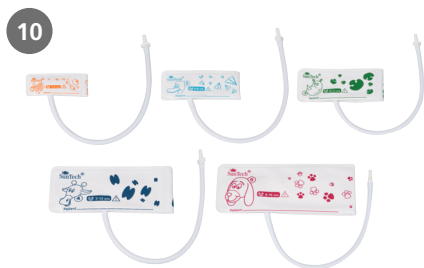
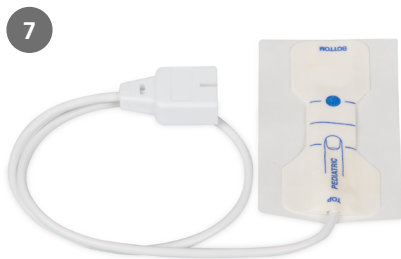
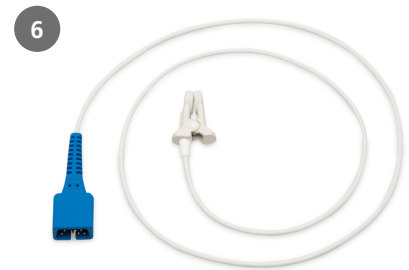
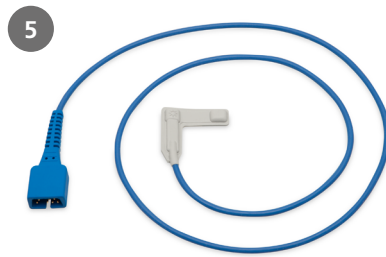
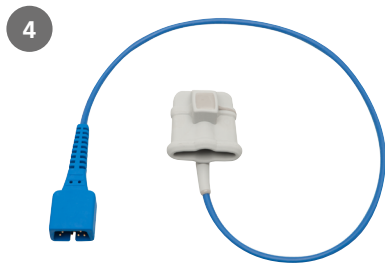
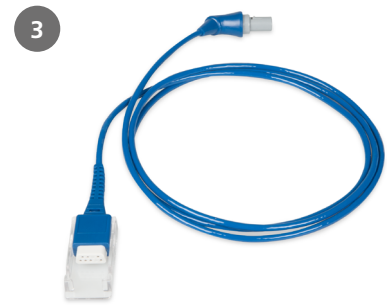
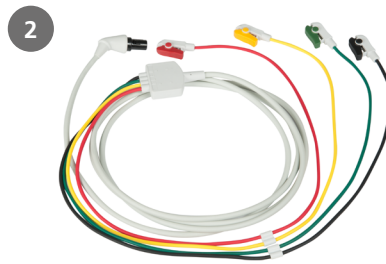
With an innovative color concept for visualizing the most important vital parameters in the curve and parameter views, also includes a night view

6. Intuitive operation

Thanks to clear function keys, navigation knob and simple menu structure



Accessories and Consumables



1. Defibrillation electrodes for children and adults
2. ECG cable ERC, 2 m or 3 m in length
 - ECG cable AHA, 2 m or 3 m in length
3. Pulse oximetry connection cable
4. SoftTip® pulse oximetry sensor, reusable, size S, M or L
5. Wrap pulse oximetry sensor for children and adults, reusable
6. Ear clip pulse oximetry sensor, reusable
7. Pulse oximetry sensor, disposable, for children and adults

8. NIBP cuff connector tube, 2 m or 3 m in length
9. NIBP cuff, reusable, available in a variety of sizes
10. NIBP cuff for newborns, disposable, available in a variety of sizes
11. NIBP cuff, for short-term use, available in a variety of sizes
12. Adapter for connection to Ambu/Laerdal manikin

Service Directly from the Manufacturer



Safety and reliability day after day Remote diagnosis (Telesupport)

Is your device ready for use? The function check, which is quick and easy to perform, gives you certainty at any time. MEDUCORE Standard² assists you here by guiding you through the individual test steps.

When a device malfunction occurs, its cause may not be immediately apparent. For reporting purposes, MEDUCORE Standard² lets you store the service files from the device on an SD card and send the files to our service specialists via email. Ideally, the service files will be enough to allow the service technicians to resolve the problem with you via telesupport.

Make software updates yourself – Your benefits as operator:

- Always up-to-date with the newest software
- No deadline pressure, no waiting – you decide when to update
- Remain ready for use – no need to ship device for update
- You decide who makes the update at your site thanks to password-protected operator menu
- No risk – making the update is simple and safe

Never miss a safety check again

MEDUCORE Standard² gives you reliable help with the planning of required safety checks. Every device reminds you in good time of due checking dates. At the end of the function check, the device tells the user the exact date of the upcoming safety check. If the recommended interval is exceeded, MEDUCORE Standard² displays a small symbol on the start-up screen. With these reminders, MEDUCORE Standard² assists you with your responsibility as device operator.

Active support of your quality management and documentation processes

Important information is automatically saved and quickly and easily made available for export from the SD card. Data include:

- Up to 1,500 hours of recording of operating data (ECG curves, plethysmogram, measurements, function control results and events). The operating data can be viewed and archived using the optionally available PC software DEFView. This enables applications to be evaluated for debriefing purposes and lessons to be learnt for subsequent applications.
- Error-free standardization: Customized device configurations can be transferred via SD card from one device to another

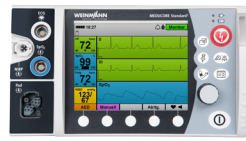
Service data: MEDUCORE Standard²

Manufacturer's warranty	2 years
Safety check interval	1 year
Metrological checks	2 years
Maintenance interval	No maintenance required
Device-assisted function check with brief summary	✓
Software update can be made by operator/user	✓
User training via free simulation software on the PC/tablet	✓
Password-protected operator menu	✓
Removable rechargeable battery system ⁽¹⁾	✓
Rechargeable battery status	Display on rechargeable battery itself
Telesupport	✓
External charging unit for removable rechargeable battery	Optionally available
Service reminder in device display	e.g., scheduled safety check

(1) You can use the removable rechargeable battery for MEDUCORE Standard², MEDUCORE Standard and MEDUMAT Standard² to simplify your logistical processes and device handling during use.

Examples of Configuration Options

1
Choose your device,
e.g.:



MEDUCORE Standard²

+
Option to combined
with the following
ventilators



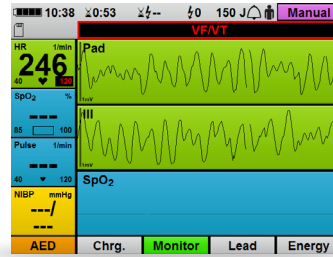
MEDUMAT Standard²



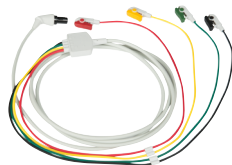
MEDUMAT Easy CPR

2
Choose your
software options,
e.g.:

Manual defibrillation



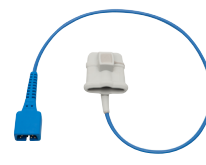
3
Select your
preferred accessories,
e.g.:



ECG cable (ERC or AHA)



Defibrillation electrodes for adults or children

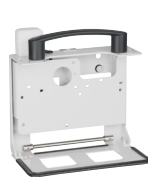


Pulse oximetry sensor in a variety of sizes – reusable or disposable



NIBP cuff in a variety of sizes – reusable/disposable or for short term use

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 Standard² on LIFE-BASE 1 NG XS



MEDUMAT Standard² with MEDUCORE Standard² on LIFE-BASE 1 NG XL



MEDUMAT Standard² with MEDUCORE Standard² on LIFE-BASE 3 NG



MEDUCORE Standard²

Device dimensions (W x H x D):	242 mm x 137 mm x 130 mm				
Weight incl. battery (in kg)	Approx. 2.6 kg				
Product class according to Directive 93/42/EEC	IIb				
Operating conditions	<ul style="list-style-type: none"> • Temperature range transient operation • Temperature range continuous operation • Humidity • Air pressure 	<ul style="list-style-type: none"> -20°C to 55°C 0°C to 40°C 15% RH to 95% RH 540 hPa to 1100 hPa 			
Operating time	Approx. 5.5 h of monitoring				
Power supply	12 to 15 volts				
Charging time from 0 to 95%	Approx. 3.5 h				
Display	<ul style="list-style-type: none"> • 5.7" TFT color display • Resolution: 640 pixels x 480 pixels 				
Information displayed	<ul style="list-style-type: none"> • ECG curve: I, II, III, aVR, aVL, aVF • ECG lead via defibrillation electrodes • Heart rate (30 to 250 /min) • Pulse rate (30 to 250 /min) • Oxygen saturation (45-100%) • SpO₂ plethysmogram • Blood pressure (systolic and diastolic) • Defibrillation energy 	<ul style="list-style-type: none"> • Time since last shock • Number of shocks delivered • Instructions for carrying out cardiopulmonary resuscitation • Clock • Session duration • Battery capacity • Causes of alarm 			
Saving of operating data	<ul style="list-style-type: none"> • Internal memory • SD card (32 GB) 	<ul style="list-style-type: none"> approx. 15 h approx. 1,500 h 			
Defibrillator	<ul style="list-style-type: none"> • Shock form: 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	<ul style="list-style-type: none"> • Report: ERC 2015 • Duration of analysis: 8 s • Metronome, adjustable: 100 /min., 110 /min., 120 /min., deactivated • Duration between cardiac rhythm analyses can be set: 120 to 300 s 				
Non-invasive blood pressure measurement	<ul style="list-style-type: none"> • Measurement range for systolic blood pressure: 40 to 260 mmHg • Measurement range for diastolic blood pressure: 20 bis 200 mmHg • Tourniquet function • Interval measurement: 30 s to 60 min 				
Alarm system	<ul style="list-style-type: none"> • Adjustable alarm limits for all measurements • Auto-alarm function • VF/VT alarm can be deactivated • Pausing of the acoustic alarm output can be adjusted: 1, 2, 5, 10 minutes or permanently • Audible alarm cancellation 				
Functions with optional password unlock	Manual mode, curve view, venous stasis				
Adjustable start configuration	<ul style="list-style-type: none"> • Start mode: AED mode, Monitor mode, Manual mode • Start view: Curve view, parameter view 				
Classification acc. to EN 60601-1	<ul style="list-style-type: none"> • Type of protection against elec. shock: Protection class II • Degree of protection against elec. shock: SpO₂: type BF; ECG: type CF; Pad: type BF • Degree of protection against penetration of dust/water: IP55 				
Standards used	EN 60601-1, EN 60601-1-12, EN 60601-1-8, EN 60601-2-4, EN 60601-2-27, EN 1789, RTCA DO 160 F, MIL-STD 810G, AECTP 400				
Built-in languages for user interface and voice prompt	<ul style="list-style-type: none"> • Arabic • Croatian • Dutch 	<ul style="list-style-type: none"> • English • Farsi • French 	<ul style="list-style-type: none"> • German • Hindi • Indonesian 	<ul style="list-style-type: none"> • Italian • Korean • Portuguese 	<ul style="list-style-type: none"> • Russian • Spanish • Thai



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.

Headquarters

WEINMANN Emergency
Medical Technology GmbH + Co. KG
Frohbösestraße 12
22525 Hamburg
Germany

T: +49 40 88 18 96-0
F: +49 40 88 18 96-480
T: +49 40 88 18 96-120 Customer Service
T: +49 40 88 18 96-122 After-Sales Service
E: info@weinmann-emt.de

Center for Production, Logistics, Service

WEINMANN Emergency
Medical Technology GmbH + Co. KG
Siebenstücken 14
24558 Henstedt-Ulzburg
Germany

China

Weinmann (Shanghai) Medical Device Trading Co. Ltd.
T: +86 21 52 30 22 25 • info@weinmann-emt.cn

U.A.E.

WEINMANN Emergency Medical Technology GmbH + Co.KG (Branch)
T: +971 432 100 31 • info-dubai@weinmann-emt.com

France

WEINMANN Emergency France SARL – Paris – Les Ulis
T: +33 1 69 41 51 20 • info@weinmann-emt.fr

Russia

Weinmann SPb GmbH – St. Petersburg
T: +7 812 633 30 82 • info@weinmann-emt.ru

Singapore

Weinmann Singapur PTE, Ltd.
T: +65 65 09 44 30 • info-singapore@weinmann-emt.sg

Spain

WEINMANN Emergency Medical Technology GmbH + Co. KG
T: +34 91 79 01 137 • info-spain@weinmann-emt.es

USA

Weinmann Emergency LP
T: +1 770-274-2417 • info@weinmann-emergency.com