

PIONEER SERIES





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MEISSA

USER'S GUIDE AND TECHNICAL DETAILS

PIONEER SERIES PATIENT BEDS

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MELİKGAZİ/KAYSERİ/TURKIYE



Ownership of all commercial rights and brands belongs to the manufacturer. The manufacturer reserves the right to renew and make changes to the products specified in this manual. Therefore; the currently manufactured product may differ from that described here.

The bed described in the manual is designed for long-term care of patients in hospitals and nursing homes. The bearing complies with EN - 60601–2–38, EN - 60601–1–2, EN 60601–1–4 and ISO 10993 standards. The standards cover 93142 / EEC System certification for the design, manufacture, and distribution of medical devices and accessories. The standards cover 89/336 / EEC certification required by other electromagnetic electrical devices. The manufacturer manufactures according to EN ISO 9001: 2000 and EN ISO 13485: 2000 quality control standards.

Before operating the bed, details should be reviewed. All functions and use of the bed should be done according to the manual. Using the bed other than those described in the manual will pose a risk. The manufacturer is not responsible for the improper use of the mattress. The manufacturer cannot be held responsible for damage due to careless, improper handling and wrong displacement

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1. Symbols and Descriptions

\triangle	General Rules
	ATTENTION! Hand may get caught
8	Do Not Place Accessories
	Castor Locking
SN	Serial Number
***	Manufacturer
<u>^</u>	Safe Working Load

2 Introduction

This manual has been prepared to assist users in the use of the product named MEISSA PIONEER. Users must read and understand the manual correctly before using the product. The product should be used in accordance with this user manual. Improper use of the suggestions and requirements in this user guide may pose a risk to the patient and the user. In case of problems arising from such a situation, the manufacturer does not accept any responsibility or liability.

3. Product Description

MEISSA PIONEER series beds are AC powered bed with battery backup system. MEISSA PIONEER series products are for patients who will receive long-term treatment in hospitals and care centers. PIONEER series product has four electrical activators that make it possible to adjust to various positions, including CPR, Trendelenburg, Reverse Trendelenburg and seat positions.

3.1. Product Usage

PIONEER series beds are equipped with retractable side rails, removable headboard and footboard, with options and accessories that help the patient care.

PIONEER series beds are an intensive care bed. The patient sleep surface consists of four parts: back support, hip part, upper leg part and lower leg parts. The side rails are separate and there are two side rails at the bedside and two side rails at the footboard. The side rails are fixed in the full up position. When the slider is opened, the side rails open out and move to the lowest position. The bed is equipped with two pairs of motors. The first pair under the back support surface, controls the back support up and down functions and the upper leg up and down functions. The second pair, which is column actuators are under the hip support, will control the mattress support surface up and down functions and Trendelenburg and Reverse Trendelenburg states.

3.1.1. Designed Terms of Use

Intensive care beds are designed for use in all healthcare facilities, including hospitals, institutes and clinics. Intensive care surface should be arranged according to the instructions in the user manual.

3.1.2. Product Lifetime

As long as the product is used in accordance with the instructions and periodic maintenance, the period of use is 10 years.

3.2. Design Function

Additional bed mechanisms enable manual CPR, knee bending motion and lengthening of the bed. The bed is also equipped with a brake and steering control for the wheels. The wheels help in bed when a patient is transported in the hospital. PIONEER series beds are manufactured for use in medical, surgical and critical care healthcare environments, including hospitals, institutions and clinics. Do not use the bed frame with an oxygen tent, in the presence of flammable anesthetics or to support more than one individual at a time.



Always hold the bed from the accessories sockets while moving the bed



4. Technical Details4.1. Dimensions

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DETAILS	PIONEER CLW	PIONEER CL	PIONEER 4.3	PIONEER 4.2	PIONEER 4.1	PIONEER 4	PIONEER 3.1	PIONEER 2
Total Length	2160 mm	2160 mm	2230 mm	2160 mm	2160 mm	2160 mm	2160 mm	2160 mm
Total Width	1010 mm	1010 mm	1010 mm	1010 mm	1010 mm	1010 mm	1010 mm	1010 mm
Laminate Back Support and X-Ray Casette Slot	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Bed Height	460-860 mm	460-860 mm	370-800 mm	370-800 mm	370-800 mm	440-820 mm	490-810 mm	500 mm
Trendelenburg	0-16°	0-16°	0-16°	0-16°	0-16°	0-16°	0-16°	0-16°
Anti-Trendelenburg	0-16°	0-16°	0-16°	0-16°	0-16°	0-16°	0-16°	0-16°
Back Rest Angle	70°	70°	70°	70°	70°	70°	70°	70°
Leg Support Angle	40°	40°	40°	40°	40°	40°	40°	40°
Under Bed Clearence	150 mm	150 mm	150 mm	150 mm	150 mm	150 mm	150 mm	150 mm
Castor Diameter	150 mm	150 mm	150 mm	150 mm	125 mm	125 mm	125 mm	125 mm
Weight of the Bed	158 kg	145 kg	120 kg	120 kg	120 kg	120 kg	115 kg	110 kg
Safe Working Load(kg)	270 kg	270 kg	270 kg	270 kg	270 kg	270 kg	270 kg	270 kg
Battery	Yes	Yes	Yes	Optional	Optional	Optional	Optional	Optional
Nurse Control Unit	Yes	Yes	Yes	Yes	Yes	Yes	Optional	Optional
Manual CPR	Yes	Yes	Yes	Yes	Yes	Yes	Optional	Optional
Sheet Rack	Optional	Optional	Optional	Optional	Optional	Optional	Optional	N/A
Side Rail Control Unit	Optional	Optional	Optional	Optional	Optional	Optional	Optional	N/A

4.2. Flectrical Details



Beds are produced according to the countries' electrical outlets. The Bed is manufactured to 60601-1-2 EN standards to minimize the risk of unwanted magnetic electricity. To avoid these risks, the mattress should be used according to the instructions in the manual.

4.2.1. Control Panel Details

Manufacturer	LINAK / MUKA
Reference	CB 6M / CO 61 / CO 40
Input Voltage	For MUKA 230V / For LINAK 100-240V
Frequency	50–60 Hz
Power	330 VA
Output Voltage	24 V Constant
Fuse	1.5 A max
Class	I
Туре	В
Liquid Protection	IPX4 / IPX6

4.2.2. Battery Details

Battery	2 X 12 V	2 X 12 V
Manufacturer	LINAK	MUKA
Reference	BA1200	MUKA
Liquid Protection	IPX4	IPX4
Class	II	II
Charging Time	10 ≈ 12 hour	10 ≈ 12 hour
Safe Working Temperature	+5°C ≈ +40°C	+5°C ≈ +40°C

• The used battery should not be opened.



- The battery must not be burned.
- The battery must not come into contact with water.
- Battery replacement should be done by trained personnel.

4.2.3. Actuator Details

	Manufacturer	P/N	CLASS	Max N	Voltage
Back Rest Actuator	LINAK/ILCON	LA 27 / LA 31	II	3500 N / 6000 N	24 V
Leg Rest Actuator	LINAK/ILCON	LA 27	II	6000 N	24 V
Hi/Lo Actuator	LINAK/ILCON	LA 31	II	6000 N	24 V
Hi/Lo Actuator	LINAK/ILCON	BL 1	II	2000 N	24 V

5. Installation

- To avoid permanent product damage, always wait for the product to come to room temperature before starting or performing setup or testing functional operations.
- Do not use this product if it has visible defects, defects, malfunctions or damage.
- Never use this product if its use will cause injury to the user or patient.
- Operate the product only when all users are away from the mechanisms.
- To avoid the risk of electric shock, this equipment should be connected to a protective grounded mains supply.
- Always store the power cord in such a way as to avoid the risk of tripping, power cord damage or possible electric shock. If the power cord is

- damaged, remove the product from service and contact appropriate maintenance personnel.
- Always leave enough room between the head of the product and the adjacent wall so that you can pull the power cord from the wall outlet in an emergency.
- Always store the power cord before moving the product.
- Do not plug the power cord into any part of the product.
- If unexpected movement occurs, always unplug the power cord and call the maintenance department.
- Do not store things under the bed.
- Do not use the mattress without the mattress support surface covers.



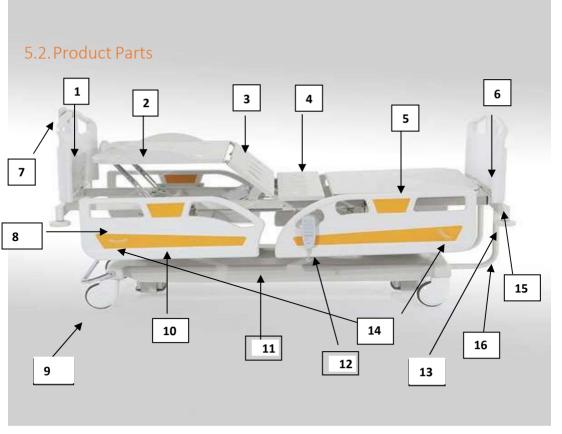
Side rails should always be at upper position while activating the actuators.



Refer to Installation Instructions at page 34

5.1. Product Lifetime

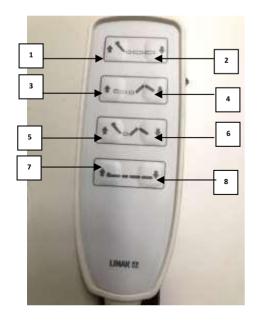
As long as the product is used in accordance with the instructions and periodic maintenance, the period of use is 10 years.

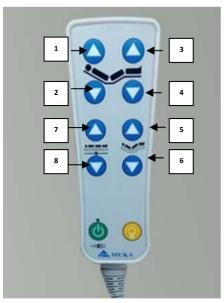


1	Footboard	10	Side Rail Release Mechanism
2	Footrest	11	Frame Mechanism
3	Leg rest	12	Hand Control Unit
4	Fowler	13	Bumper
5	Backrest	14	Backrest and Trend Gauge
6	Head Board	15	Accessory Socket
7	Nurse Control Unit	16	Stationary Headboard
8	Side Rail Mechanism	17	
9	150 mm Central Lock Castor	18	

6. Product Control Units

6.1. Handset

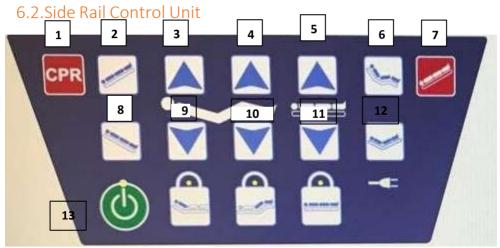






In case the bed gets stuck in any position, you can reset the bed with holding down the two upper most buttons for a couple of second. After that, bring the bed to the lowest position.

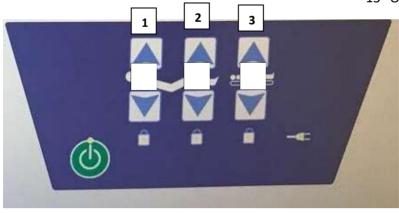
- 1- Backrest Up
- 2- Backrest Down
- 3- Legrest Up
- 4- Legrest Down
- 5- Auto Contour Up
- 6- Auto Contour Down
- 7- Mattress High
- 8- Mattress Low



- 1- Automatic CPR
- 2- Trendelenburg
- 3- Backrest Up
- 4- Legrest Up
- 5- Mattress High

- 6- Chair Position
- 7- Emergency Trendelenburg
- 8- Reverse Trendelenburg

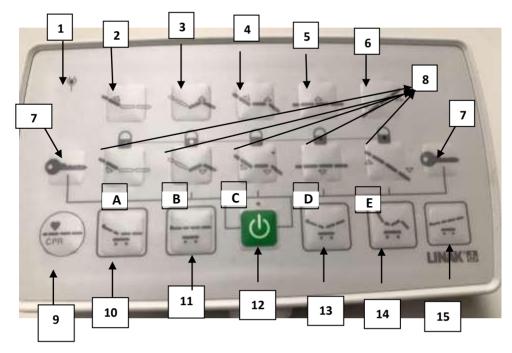
- 9- Backrest Down
- 10- Legrest Down
- 11- Mattress Low
- 12- Semi Fowler
- 13- On/Off



- 1. Backrest Up
- 2. Legrest Up
- 3. Mattress High

- 4. Backrest Down
- 5. Legrest Down
- 6. Mattress Low

6.3. Nurse Control Unit



A – Backrest Locking B – Legrest Locking C – Auto Contour locking D – Hi/Lo Lock

E – Trendelenburg Locking

- Electric
 Connection
 Indicator
- 2. Back Rest Up
- 3. Leg Rest Up
- 4. Auto Contour Up

- 5. Mattress High
- 6. Trendelenburg
- 7. Locking
- 8. Locked Function Indicator
- 9. Auto CPR
- 10. Bed Exit Position

- 11. Examination Position
- 12. On/Off
- 13. Semi Fowler Position
- 14. Cardiac Chair
- 15. Trendelenburg



- 1. ON/OFF
- 2. Backrest Up
- 3. Legrest Up
- 4. Mattress High
- 5. Auto Contour Up
- 6. Emergency Trendelenburg
- 7. Backrest Down
- 8. Legrest Down
- 9. Mattress Low
- 10. Auto Contour Down

- 11. Emergency CPR
- 12. Trendelenburg
- 13. Reverse Trendelenburg
- 14. Examination Position
- 15. Semi-Fowler Position
- 16. Bed Exit Position
- 17. Chair Position
- 18. Function Lock
- 19. Emergency Stop
- 20. Lock Indicators

6.4. Manuel Control Units

6.4.1. Manuel CPR



The mattress can be straightened much faster than the electric CPR in an emergency, by pulling the manual CPR lever on both sides of the mattress shown in the photo.

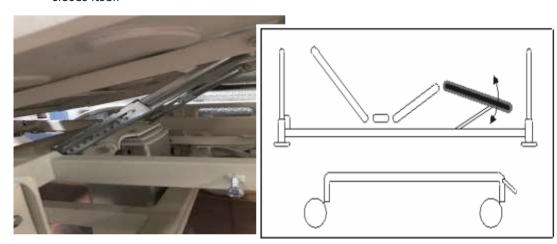
Attention



The manual CPR handle should only be used in an emergency. After the arm is pulled, nothing prevents the back support from coming down.

6.4.2. Knee Section

Leg support movement works with a special mechanism. The leg support takes the V shape by pulling up the bed holders on both sides of the foot of the bed and the mechanism opens. To lower it, it is raised a little higher and the mechanism closes itself



6.4.3. Side Rails

For the safety of the patient, there are a total of 4 rails around the bed. They prevent the patient from falling out of bed and receiving an impact from the outside. Rails open / close as indicated below when the patient wants to enter / exit the bed.

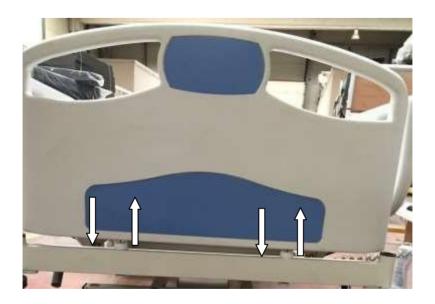


To Close Opened Rail: First, the yellow handle of the side rail is pulled in the direction of the arrow. Then the side rail is pulled out so that the rail will open. The yellow arm does not have to be pulled continuously at this time. When the rail is opened, it will slowly descend with the help of the shock absorber.

To Open Closed Rail: It will be enough to pull the rail upwards.

6.4.4. Foot/Head Board (Stationary)

It is designed to increase the comfort of the patient and to protect the patient against external shocks. It can be attached / removed easily. To remove it, it should be pulled upwards as shown in the photo. To install it, it should be gently pressed downwards, placing it in the sockets at both ends of the bed. Pioneer CL models has stationary headboard.



6.4.5. Bed Extension

- For tall patients, the bed length can be extended by 18 cm.
- The lock under the footwork chassis must be unlocked.
- Extension can be adjusted with two levels.
- Place the extension mattress in.
- Lock the mechanism when the extension is fully opened.



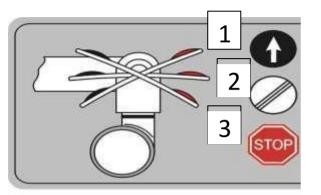


6.4.6. Castor Lock Mechanism



The wheel system shown in the picture belongs to the centrally locked wheel system. It has brake, free and direction lock functions. Central locking feature makes the bed easier to use. With the central lock and direction lock features, it is very easy to move the

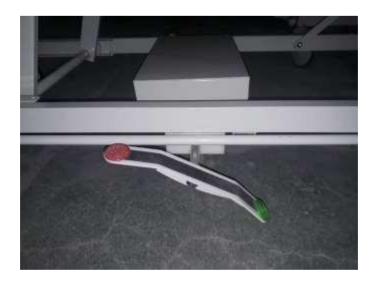
bed and move it from one place to another.



- In the picture, 1 shows the direction lock. According the patients lying position, right castor under the patients head is the direction wheel. If a person moves the bed alone, in position 1, the castor will move to the direction lock, making it much easier to move the bed. If the bed has the 5th wheel, when the direction lock is activated, the 5th wheel will switch to the direction lock
- In the picture 2 shows the open positions.
- In the picture 3 shows the lock positions.

6.4.7. Fifth Wheel

Fifth wheel provides more control over bed. Simply press with your foot on red side of the pedal the activate the wheel. When activated, user can easily manoeuvre the bed. To deactivate, press with your foot on green side of the pedal.



6.5. Accessories

Only use accessories designed by the manufacturer. Accessories that are not available from the manufacturer may harm the patient and cause potential hazards. In these cases, the manufacturer cannot be held responsible.

6.5.1. TK 001, 002 Lifting Pole & TK 003 IV Pole

There are four sockets for the IV Pole and the Lifting Pole around the bed. IV Poles have four hooks and a total capacity of eight kilograms, two of each. It is designed to hang IV and such. They are extendable.



6.5.2. TK 011 Foley Basket

It is designed as a cage to protect the Foley bag from external impacts. Can be moved according to the position of the bed.



6.5.3. TK 007 X-Ray Cassette Socket

X-Ray permeable laminate is used for back support. X-Ray can be taken by placing a cassette in the X-Ray cassette slot without lifting the patient from the bed.



7. Safety 7.1 WARNINGSI



- The manufacturer cannot be held responsible for damage due to careless, improper handling and wrong displacement.
- The manufacturer, seller, or trained personnel must follow the instructions for moving the bed.
- Instructions for the initial operation of the bed should be closely followed for safety.
- Use only the input voltage and frequency rated on the product.
- Do not use this product if it has visible defects, defects, malfunctions or damage.
- Never use this product if its use will cause injury to the user or patient.
- To avoid the risk of electric shock, this equipment should be connected to a protective grounded mains supply.
- Always store the power cord in such a way as to avoid the risk of tripping, power cord damage or possible electric shock. If the power cord is damaged, remove the product from service and contact appropriate maintenance personnel.
- Always leave enough room between the bedside and the wall so that you

- can pull the power cord from the wall outlet in an emergency.
- Always store the power cord before moving the product.
- Do not plug the power cord into any part of the product.
- If unexpected movement occurs, always unplug the power cord and call the maintenance department.
- Do not store things under the bed.
- Do not use the bed without the mattress support surface covers.
- To avoid the risk of electric shock, this equipment should only be connected to a mains supply to a protective earth.
- If you detect overheating of the battery, control cables, or control section, always unplug the power cord from the wall outlet. Do not reuse the product until it has been inspected, serviced, and confirmed as intended by authorized maintenance personnel.
- Do not open a flat battery.
- Do not throw the battery into fire.
- Do not spill liquid on the battery or immerse it in liquid.
- Always unplug the battery cable from the control box before storing the product for a long time.

- Always keep limbs, hands, fingers and other body parts away from mechanisms and openings.
- Always make sure that there are no obstructions near the product. If you hit an obstacle, the patient, the user or those standing at the edge may be damaged or damage to the frame or surrounding equipment may occur.
- Do not attempt to move the product sideways. This movement may cause the product to tip over.
- Do not move the product after applying the brakes.
- Always apply the brakes when a patient leaves the product.
- Always apply the brakes when no one is at the patient's head.
- Always make sure that there are no people or equipment under the back support and in the surrounding area before activating the CPR release part. The CPR release section is for emergency use only.
- Always make sure that there are no people or equipment under the leg support and around the area before lowering the lower leg part.
- Always lock the side rails unless a patient's condition requires extra safety measures.
- Always lock the side rails in the full up position when the patient is left unattended.
- Do not sit on the side rails.

- Always lock the bed movement controls when the patient is left unattended
- Never leave the nurse control panel within reach of the patient.
- Do not sit on the bed extender. This movement may cause the product to tip over.
- Always lock the bed extender before putting weight on the bed extender.
- If the product does not have X-Ray permeable back support, do not use the product for X-ray procedures.
- Do not use accessories to support patient limbs or other body parts.
- Do not clean, service, or maintain the product while it is in use.
- Always turn off the power and unplug the power cord before cleaning, service or maintenance.
- In case of large liquid spills near circuit boards, cables and motors, always turn off the product and unplug the power cord from the wall outlet. Remove the patient from the product, clean the liquid and inspect the product to service personnel.
- Liquids can cause unpredictable operation and decrease in functionality of any electrical product. Do not put the product back into service until it is completely dry and thoroughly tested for safe operation.
- Do not spray cleaners directly on batteries, control boxes, activators, cables or other electrical equipment.

- Do not use scouring powder, steel wool or similar materials, which can damage the surface of the product.
- Do not use flammable chemicals or acid-based chemicals such as

- gasoline, diesel or acetone for cleaning.
- Cleaners and disinfectants should not be too alkaline or acidic.

7.2. Attention



- Improper use of this Product may cause injury to the patient or user.
 Operate the product only as described in this manual.
- Do not modify the product or any of its components. Modifying the product may result in unpredictable work resulting in injury to the patient or user. Modifying the product also voids its warranty.
- Do not put objects in any openings of the product.
- Always replace batteries that have rotten, cracked, widened or protruding terminals, or are no longer fully charged.
- When replacing the batteries, use only approved batteries. Using unapproved batteries may cause unpredictable system performance.
- Do not place heavy objects on the product or store it here.
- Do not pinch or pinch the power cord in the bed frame.
- Do not use the side rails as a push or pull device. Always move the product using the integrated handles on the headboard and footboard.

- Do not use the IV pole for pushing or pulling the bed.
- Always make sure that the IV pole is at a low height during transport.
- Do not apply the brake pedal to stop a moving product.
- Always hang the nurse control part on a footboard side rail or bed sheet (option) before removing the footboard.
- Do not raise the lower leg part while using a bed extender. This is to prevent situations where the product does not support the lower legs of a tall patient.
- Always place the patient control section securely on the mattress when in use.
- Always hang the patient control section on the side rail when not in use.
 - Do not tighten or pinch the control section cord around the bearing frame.
 - Always place the nurse control board on the leg board.
 - Always make sure that the accessories are locked in their positions.
 - Do not allow accessories to adversely affect the mechanical or electrical mechanisms of the product.
 - Do not use the oxygen bottle holder as a push or pull device.

- Do not steam clean, pressure wash, ultrasonically clean, or immerse any part of the product with water.
 Exposure to water can damage internal electrical components. These cleaning methods are not recommended and may void the warranty for this product.
- After cleaning each product, always make sure to wipe it with clean water

and dry it well. Some cleaning products are corrosive and may damage the product if you do not use it properly. If you do not rinse and dry the product properly, a corrosive residue may remain on the product surface, which can lead to premature failure of critical components. Failure to follow this cleaning instruction may void your warranty.

8. Cleaning

8.1. Recommended Cleaning Application

- Use only approved cleaning products.
- Wipe with a slightly damp, well-wrung cloth.
- Do not use corrosive chemicals on the product surface.
- Do not use chemicals containing acids.
- Do not use flammable materials such as gasoline, diesel or acetone for cleaning.
- Follow the recommended procedure using the recommended cleaning materials. MEISA cannot be held responsible for any damage or injury caused by the use of cleaning agents not specified or approved.
- Do not wash with steam or automatic washing tools. The bed is not suitable for such cleaning.

8.2. To Do Before Cleaning

- Lock the casters
- Unplug the power cord
- Bring the mattress to the highest position
- · Raise the leg and head restraints completely
- Lock control controls.

8.3. Things to Watch Out During Cleaning

- Do not clean, service, or maintain the product while it is in use.
- Always turn off the power and unplug the power cord before cleaning, service or maintenance.
- In case of large liquid spills near circuit boards, cables and motors, always turn off the product and unplug the power cord from the wall outlet. Remove the patient from the product, clean the liquid and inspect the product to service personnel.
- Liquids can cause unpredictable operation and decrease in functionality of any electrical product. Do not put the product back into service until it is completely dry and thoroughly tested for safe operation.
- Do not spray cleaners directly on batteries, control boxes, activators, cables or other electrical equipment.
- Do not use scouring powder, steel wool or similar materials, which can damage the surface of the product.
- Do not use flammable chemicals or acid-based chemicals such as gasoline, diesel or acetone for cleaning.
- Do not spray or saturate cleaners directly on the side rail control panel, patient control part, or nurse control part.
- Cleaners and disinfectants should not be too alkaline or acidic (pH value 6-8).

9. Disinfection

9.1. Recommended Disinfectants

- Quaternary cleaners (active ingredient ammonium chloride) without glycol ethers
- Chlorine bleach solution (5.25% less than 1 unit of bleach in 100 parts of water)
- 70% Isopropyl alcohol.

When disinfecting the product, follow the instructions on the disinfectant for proper contact time and rinsing processing. To disinfect the product:

Thoroughly clean and dry the product before applying disinfectants.

- Apply the recommended disinfectant solution by spraying or wipes previously soaked in the solution.
- Raise the back support and leg support to the highest height to disinfect the mechanisms.
- Wipe product surfaces and mechanisms with a clean, dry cloth to remove any excess liquid or cleaning agent.
- Allow the product to dry completely before putting it back into service.

10. Storage

When the bed will be stored for a long time, the following steps should be followed.

- Reset all the functions of the bed
- Make sure the wheels are on level ground
- Do not put a heavy object on the bed
- Recharge within 30 days to prolong battery life.

11. Preventive Maintenance

Check all items listed below during the annual preventive maintenance of all MEISSA products. Depending on your product usage level, you may need to perform preventive maintenance checks more frequently.

- All solders and all fasteners are intact
- Pipes or sheet metal for bends or cracks
- No residue on wheels
- The wheels are firm and spinning
- Wheels lock firmly by pressing the brake pedal

- Locked wheel guide is working and free
- Steering pedal is being locked
- Back support is working
- Mattress support surface works up and down
- Trendelenburg and Reverse Trendelenburg are working

- Serum hanger is solid and working (optional)
- Accessory cases are not damaged or cracked
- Bed extender reaches and locks (option)
- Headboard, footboard and side rail panels for cracks or split
- All covers are undamaged and have no sharp edges
- X-Ray permeable back support is not cracked and clean (option)
- Cassette holder is not cracked and clean (option)
- Under-bed light is working
- CPR release is working
- Side rails are moving, latching and disappearing

- All control panels are checked for full functionality
- Batteries are checked for the need for replacement
- Batteries are checked for rotting, cracking, flares or bulges at the terminals, or no longer holding a full charge.
- The lower leg is moving, latching and disappearing
- Control parts are checked for any physical damage.
- The power cord is not worn or aged
- Cables are not worn or pinched
- All electrical connections are tight
- All grounds are fixed to the frame

12. Warranty

The product is guaranteed for 2 years for any technical failure or manufacturing defect. If the instructions in the manual are followed during the use of the product, repair and troubleshooting will be done free of charge for parts and labour.

12.1. Conditions That Cause the Product to Be Out Of Warranty

- Failure or breakage caused by the user.
- The bearing's serial number is damaged or scratched.
- Any accident occurs during loading, unloading or delivery.
- If the product is not used according to the instructions in the manual.

• If low / high voltage, ungrounded plug or wrong electrical installation is used.

13. Fnvironmental Awareness

Meissa is an environmentally friendly company. Environmentally friendly materials are used in the production of the products. Meissa does not use harmful substances such as mercury, cadmium, polyphosphoric biphenyls or chlorofluorocarbons.

14 Installation Instruction

Unload the products carefully.



• Take the product out of its packaging without damaging it (with sharp, flammable, etc. tools).



• Remove the tapes on the ABS covers.



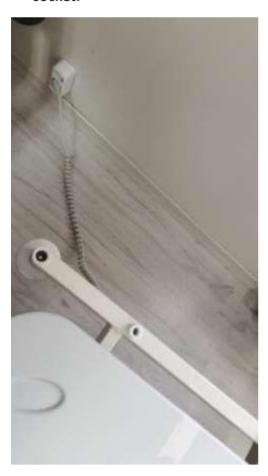
• Remove the patient control from the accessory hook.



Remove the nurse control by lifting the ABS foot section .



 Plug in the bed before turning the controls on. Plug the bed into a grounded socket.







After the bed plugged use the controls to activate the bed.

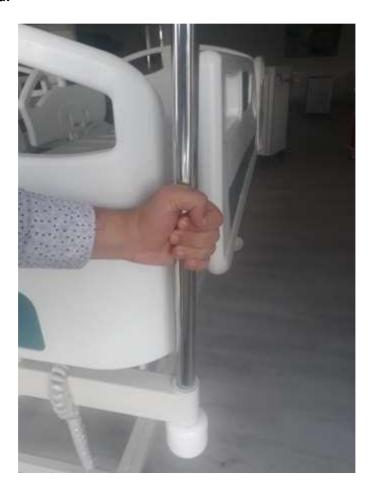




• Lift the side rails up. You can release the side rails with release mechanism.



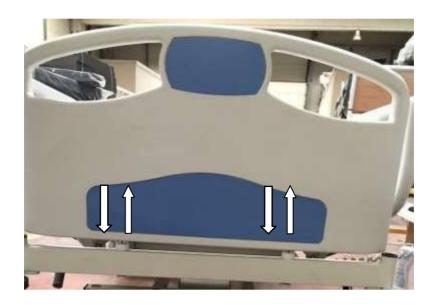
 Place the IV rod inside the one of four accessory sockets at each corner of the bed.



• Place the mattress so that it fits into the bed.



• Place the headboards in their sockets.



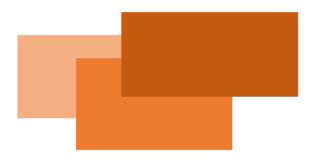
• You can release the breaks of the castors and start using the bed.

Service and Maintenance Chart

TECHNICIAN		DATE	DESCRIPTION
NAME SURNAME	SIGN		



"Provide healthy solutions..."



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