



Medicure Swiss AG
MEDICAL SOLUTIONS

USER'S MANUAL

Electric operating table **DL.B**



I. Scope of application

The electric operating table is used for clinical operations in general surgery, endoscopic diagnostic and endoscopic medical surgery, obstetrics, gynecology, urology, otorhinolaryngology, etc.

II. Structure

The electric operating table consists of a table top, a main part, an electric control part and accessories, etc.

The table consists of a headrest, back plate, lumbar board, seat plate, separate footrest and cut-out between the seat and the footrest for gynecological and urological procedures. The main section can be disassembled. The main section can be raised or lowered from the horizontal position. The leg section can be lowered from the horizontal positional and is removable. The table top is made of engineering plastic, which allows to make X-ray studies.

The operating table has a built-in control panel and a remote control, which can be used to adjust the height of the tabletop, tilt to the left and right, Trendelenburg and reverse Trendelenburg, sliding and lifting mechanisms. The main part includes the swivel frame, side tilt mechanisms, Trendelenburg and reverse Trendelenburg mechanisms, sliding mechanisms, lifting and lowering mechanisms of the base. The movement device can mainly lead the operating table to longitudinal movement (forward - backward). The lateral Trendelenburg and reverse Trendelenburg mechanisms can actuate the rotary frames to perform lateral tilt, Trendelenburg and reverse Trendelenburg movements. The lifting and lowering mechanisms, as well as the movements of the back section, can move the operating table to raise or lower its position.

The electrical part of the control consists of a flexible container with control buttons with stable power. (When pressing the function key, press the unlock button first, then the stationary state will automatically restore the lock state after 8 seconds)

The 70 cm thick table mattress is covered with artificial leather and filled with foam, resistant to disinfectants and has antistatic properties. High-density mattress with memory function and self-leveling.

Quality stainless steel AISI 304 is used to support the table, base plate, column shield and fixture rails on both sides of the table.

The table is equipped with 4 wheels for easy movement and has a foot pedal brake device to fix the table with a quick release function.

Normal working conditions:

Ambient temperature: 5°C~40°C

Relative humidity: <80%

Atmospheric pressure: 860~1060 mm Hg.

Power supply voltage: ~220V 50 Hz

Output power: <300VA+10%

Environmental conditions for transportation and storage:

Relative humidity of the working environment: <95%

Ambient temperature: -40°C ~55°C

Atmospheric pressure: 500~1060 mm Hg.

III. Technical characteristics

Parameter		Characteristics
Table length		2020±10mm
Table width (without side rails)		550±10 mm
Table width (with side rails)		600±10 mm
Height adjustment		750±50 mm
Tabletop height adjustment		250±30 mm
Sliding movement		350±30 mm
Table top	Trendelenburg	>40°
	Reverse Trendelenburg	>40°
	Tilt (left)	>15°
	Tilt (right)	>15°
Headrest	Movement up	>40°
	Movement down	>90°
Back	Movement up	>75°
	Movement down	>35°
Footrest	Movement up	>15°
	Movement down	>90°
	Movement outwards	>180°
The upper corner of the bar [^]		<170°
The lower corner of the bar ^v		<120°
Lifting waist board (waist plate)		140±20 mm
Maximum load capacity		250 kg

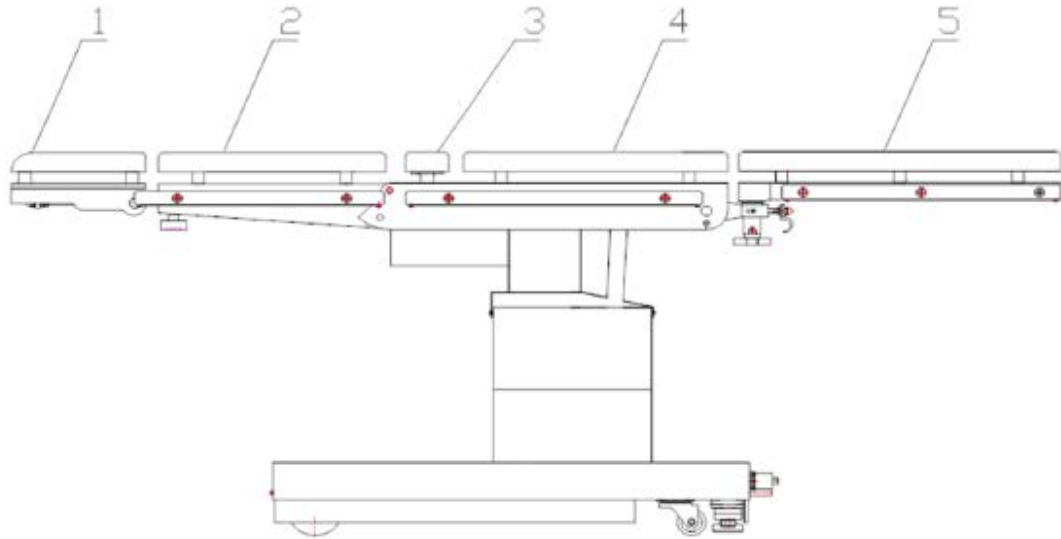


Figure 1. Schematic image

1. Headrest 2. Back plate 3. Waist board 4. Seat plate 5. Footrest

IV. Instructions for operation of the electric operating table

Raise and lower movements, side tilt movements, trendelenburg and reverse trendelenburg, back up, etc. are electrically controlled. Various operations can be performed using the remote control and the panel controller. The control button is all buttons with dots, when the desired button is pressed, the corresponding motor will work, when the button is not pressed, all movements will stop. It has an auto-recovery feature. Pressing the function keys can automatically return to the horizontal position.

Explanation of the power management board (see Figure 2).

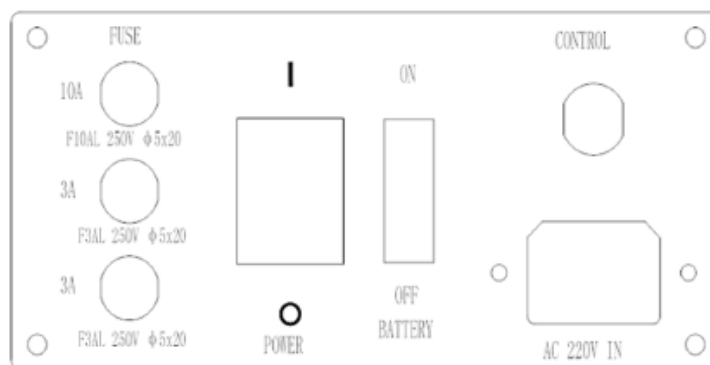


Figure 2. Power management board

Table height adjustment movements, trendelenburg and reverse trendelenburg, sliding movement, raising and lowering of the backrest are controlled by the corresponding buttons (see figure 3/4).

When you need to move the table, you can use the foot pedal to lower the table to the lowest position, then the table can be moved.

The waist plate can be raised using the handle. Adjusting the height of the headrest up and down can be done with the handle under the headrest, respectively.

Fig. 3 Scheme of the remote control

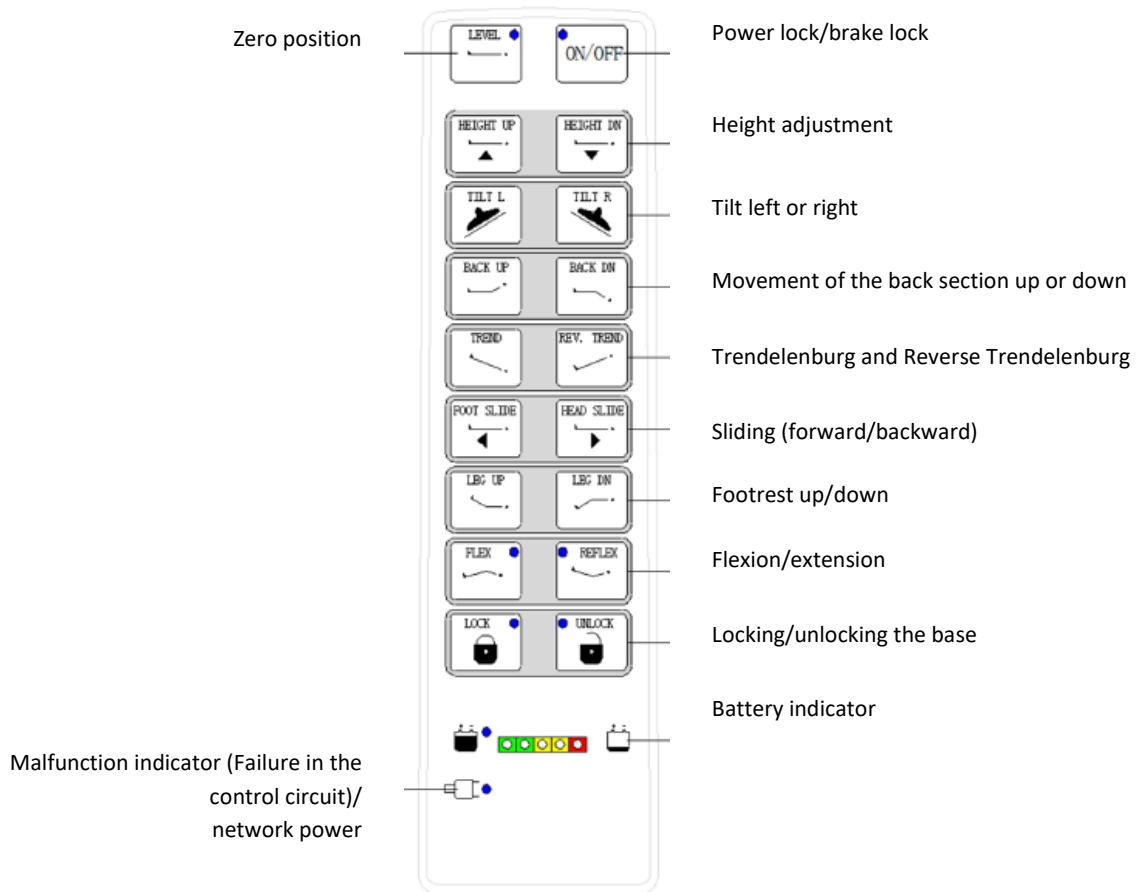
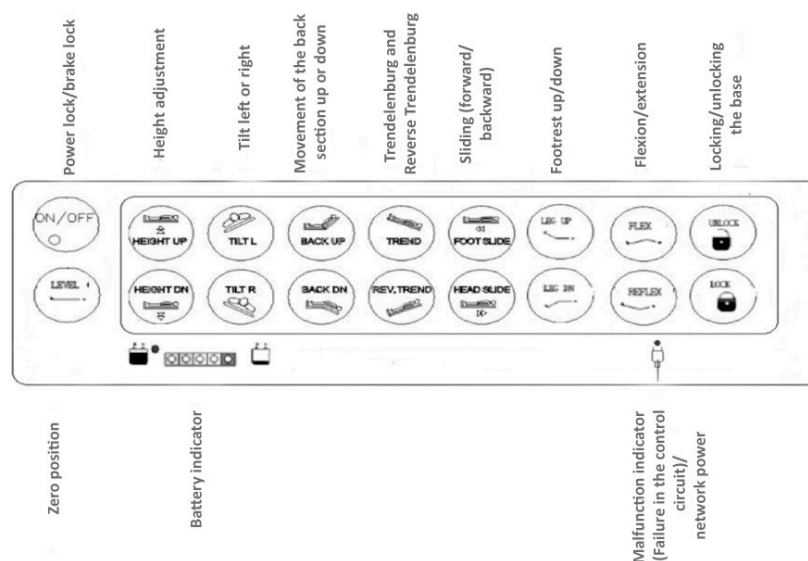


Figure 4. Scheme of the control panel



WARNING: When performing the Trendelenburg and reverse Trendelenburg, you must set the table vertically, **not in an eccentric position.**

V. Cleaning and maintenance

1. The operating table belongs to electromechanical equipment.
2. The material of the mattress has antistatic properties and is resistant to the effects of disinfectant solutions
3. After the operation, the operating table and other parts can be left without waste, residue, etc., you should clean them according to the above suggestions or follow the requirements for cleaning the equipment related to the operating table; you must comply with local laws and regulations.
4. When using electric beds for the first time, the battery must be fully charged.
5. In the event of a power outage, a fully charged battery will supply your power needs for 100 full moves.
6. If the bed will not be used for a long time, the battery should be charged once a month.
7. The battery life is 1-2 years, the battery model is 12V7AH, and each bed has two batteries.

Battery maintenance:

(1) During normal use, you should open the mains and internal power switch at the same time, if there is something wrong with the mains power, it will automatically switch to the internal power supply to supply the operating table power. When using, please pay attention to the internal power supply (with the battery indicator on the remote control). If the battery volume is not enough, you should charge it in time so as not to lose the power reserve volume.

(2) When in use, the internal power supply only has a net energy consumption in emergency or exceptional cases. The internal power supply cannot work continuously for a long time due to the limited capacity of the battery.

(3) Battery life is about one year. If you see that the battery only works for a short time, or does not work, or the indicator light flashes after it is fully charged, you should contact the suppliers or the company to solve it.

8. The warranty for the battery is 6 months.

VI. Caution!

- 1). Before using the operating table, lock all handles tightly to prevent them from being lost or slipped during use. When working with a table, you must perform one action.
- 2) Every time after surgery, clean the table from dirt and keep it clean, move the table to a

horizontal position and lower the kidney bridge. Keep the button container dry and clean to avoid current leakage. Keep it in its proper place.

3) Do not step on the power grid or the control grid to avoid breaking the connecting connections or damaging the wire insulation.

4) Place the operating table in a dry place to avoid getting wet and damaging the electrical control devices.

5) Maintenance and service must be carried out once a year.

6) Products must be reliably grounded

7) The table does not belong to AP / APG equipment, it should not be used near flammable anesthetic gases and other flammable gases.

8) If the user needs to replace the battery, you should contact the supplier or manufacturer. They will provide the replacement program to the user or a qualified person to replace it.

9) In the event of a network failure or wire safety threat, please use the internal power supply to ensure safety.

10) The power outlet must have a safe, reliable grounding and its capacity must meet clinical requirements.

VII. Troubleshooting

<i>Description of the malfunction</i>	<i>A possible reason</i>	<i>Method of elimination</i>
All equipment is not working	1. Disconnected from the network. 2. Melted fuses.	1. Check the power supply and check if the fuses are removed. 2. Replace the fuse
Some actions failed	1. Bad outlet contact. 2. The corresponding switch on the control panel is damaged.	1. Connect the contact after checking. 2. Replace the switch.

VIII. Storage and transportation

The product should be stored in a well-ventilated dry place, free from any corrosive gases. During transportation and handling, special rules and markings on packing boxes should be

followed.

IX. After-sales service

We are responsible for free maintenance during the warranty period, provided that the rules of storage and use are followed. After the end of the warranty period, we provide repair services in accordance with the relevant contract, when users need to provide the relevant technical documentation and components.

X. Product manufacturing date and shelf life

Product manufacturing date: see label

Service life: eight years from the date of manufacture

Medicure-Swiss AG

Rigistrasse 154, 6353 Weggis, Switzerland.



www.medicure-swiss.ch



info@medicure-swiss.ch



[+49\(0\) 731 945 88 705](tel:+49073194588705)