

INSTALLATION AND OPERATION MANUAL

Dynamic Partial Weight Bearing Gait Therapy Device

ELEVEO



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1. INTRODUCTION

Congratulations on your excellent choice of our gait therapy device.

ELEVEO dynamic partial weight bearing gait therapy device is characterized by stability, reliability and ease of use. This results from its ingenious design, technology of manufacturing and product quality assurance system. Lecture of this instruction manual will allow such operation of our therapy device to ensure its safe and longterm use.

GENERAL INSTRUCTION:

1. The product should be operated by qualified and trained personnel who are familiar with the contents of this manual.
2. Use, operation and maintenance of the product in a manner inconsistent with this manual is not permitted and can lead to damages, which are borne by the user, and for which the manufacturer shall not be liable.
3. If the performance and parameters of the product are inconsistent with the description contained in this manual, do not use the product. You must immediately report it to the manufacturer or supplier.
4. Any repair of the product must be performed by the factory or authorized service and registered in the list of repairs attached to the warranty card. Failure to do so will void the warranty of the product.
5. Technical description of the lift with a list of spare parts and their replacement methods is available from the manufacturer on request.

Warranty terms will not be respected if the user uses the product in a manner inconsistent with its intended purpose or he will not respect the terms of use stated in this manual.

The manufacturer shall not be liable for the consequences of improper (inconsistent with the conditions set out in this Manual) use of ELEVEO therapy device.

CAUTION !



In this manner are indicated activities, which if performed inconsistently with the instruction manual may cause deterioration of conditions or safety hazard to the user and / or personnel operating the device.



Such marking is applied on the table where it is essential to read the contents of the Operation Manual and follow its instructions when using the table.



Type B Application Part



Manufacturer



Risk of head injury



Load of the device



Actuator operation type



Direct current



In accordance with the provisions of the Act on electrical and electronic waste, it is prohibited to dispose waste equipment marked with crossed-out wheeled bin symbol along with other household waste. Electrical and electronic waste must be returned to the appropriate collection point. The aforementioned statutory duties have been introduced to reduce the amount of waste generated from electrical and electronic equipment and to ensure an appropriate level of collection, recovery and recycling of used equipment. Proper implementation of these duties is important especially when the waste equipment contains hazardous components which have a particularly negative impact on the environment and human health.

2. CHARACTERISTICS OF PARTIAL WEIGHT BEARING GAIT THERAPY DEVICE

2.1. Intended use



CAUTION !
The manufacturer reserves the right to make such changes, non-exposed in the current version of the manual, that do not cause deterioration of the functional parameters and conditions for product safety.



CAUTION !
Trained personnel decides on legitimacy of the use of ELEVEO Partial Weight Bearing Gait Therapy Device for handling the patient.

ELEVEO Dynamic Partial Weight Bearing system is intended to accomplish dynamic patient support used in the rehabilitation and gait reeducation. The device is used for therapeutic and diagnostic purposes (training balance and gait). It is ideal for working with neurological and orthopedic patients, both adults and children.



ELEVEO Partial Weight Bearing Gait Therapy Device with the equipment has been made in compliance with the essential requirements for medical devices (Class I, rule 12) and has a CE marking, according to manufacturer declaration.

2.2. Technical parameters



PARAMETERS		ELEVEO
Depth [cm]	no more than	135
Width of the outer contour [cm]	(depending on version)	88 / 97
Height adjustment [cm]	minimum	164 ±1
	maximum	234 ±1
Patient height [cm]	minimum	-
	maximum	210
Operation mode		Discontinuous with short-term load (10%) max. 2 minutes operation (ON), min. 18 minutes pause (OFF)
Load of the device		≤ 160 kg (symbol indicates the maximum safe load of the device when lifting-lowering the arm)
Weight of the device [kg]	up to	98
Weight of the operator's seat [kg]	up to	4,5
Electrical supply and safety precautions	voltage	24 V --- (battery supply)
	application part	typ B, ⤴
Protection level		IP40
environment conditions (temperature, relative humidity, air pressure)	work	+10°C up to +40°C, from 30% to 75% non-condensing, 700-1060 hPa
	storage	+5°C up to +45°C, not exceeding 75% non-condensing, 700-1060 hPa
	transport	-10°C up to +45°C, from 20% to 95% non-condensing, 700-1060 hPa

Table 1 - Technical parameters of ELEVEO Partial Weight Bearing Gait Therapy Device

3. CONSTRUCTION AND OPERATION OF ELEVEO THERAPY DEVICE

3.1. Construction components



CAUTION!

It is strictly forbidden to modify the device without written authorization of the Manufacturer.

The construction of ELEVEO Partial Weight Bearing Gait Therapy Device is made of steel powder coated frame to which is attached the body of lifting column made of durable aluminum alloy. The construction of the device consists of the following units:

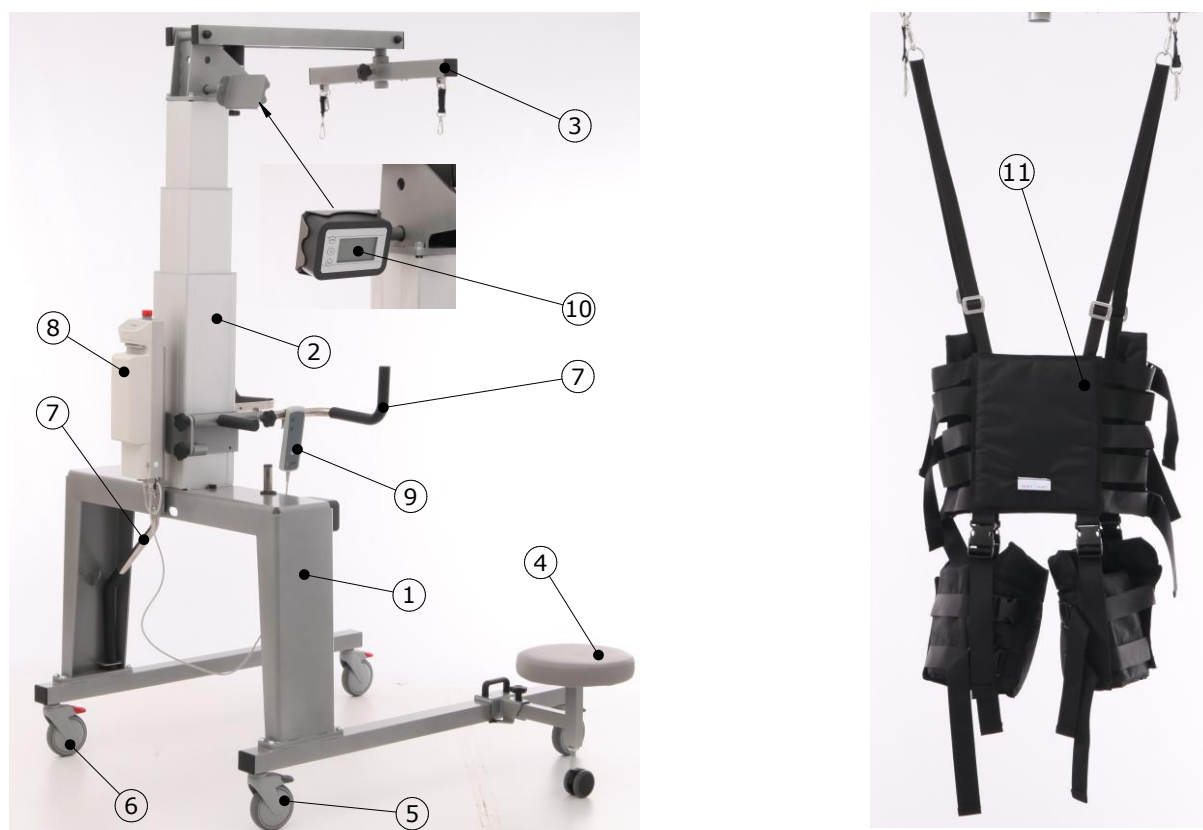


Figure 1 - Construction elements of ELEVEO Partial Weight Bearing Gait Therapy Device

- ① **Wheeled base**
Supporting base of the device, equipped with four wheels with brakes. Base construction (in wide version) allows for free moving over the track, for example Meden-Inmed AXELERO;
- ② **Lifting column**
stable two-segment design for electrical height adjustment of weight bearing frame;
- ③ **Weight bearing arm**
Equipped with a beam mounted on a swing arm with wireless transducers and radio transmission data - WeCoTRONIC. The harness is attached to the beam. The arm has two knobs, one for adjusting the load range and the other for changing the position of the beam in the plane.
- ④ **Stool for the operator**
comfortable demountable upholstered seat, with the possibility of changing the position, equipped with supporting wheel;

- ⑤ **Wheels with a brake (green or gray color of the brake)**
allows to maintain linear motion during the gait therapy;
- ⑥ **Wheels braked (fully lockable)**
together with locked wheels allow to maintain directional stability at a standstill;
- ⑦ **Handrails**
are the application part of partial weight bearing therapy device, provide stable support for patient's hands during gait therapy;
- ⑧ **Controller with disconnected battery**
allows to connect remote control and lifting column equipped with a high-capacity battery and an emergency STOP button;
- ⑨ **Manual remote control**
allows to control height adjustment;
- ⑩ **Panel**
equipped with a screen showing the degree of weight bearing and control buttons. Panel is movable and attached magnetically, allowing it to be placed on the elements of the metal structure of the device in a convenient position for the operator;
- ⑪ **Harness for patient stabilization**
is the application part of partial weight bearing therapy device, allows stable support of the patient during gait therapy.

3.2. Accessories and additional equipment

Harness for the patient is made of soft, well-contracting to the patient's body components, enabling to maintain the feeling of comfort during treatment. Gripping part of the handle is covered with PU foam, providing a reliable and stable grip. Upholstered seat stool for the therapist, is made of PU foam for comfortable operation during partial weight bearing gait therapy.

In addition, the following accessories are available: - high capacity additional battery.

3.3. Device set

ELEVEO Partial Weight Bearing Gait Therapy Device	as per order
User Manual	1 pc.
Mounting instruction	1 pc.
Accessories and additional equipment	as per order

3.4. Transport and storage

Ambient conditions for storage and transport are shown in Table 1. ELEVEO Partial Weight Bearing Gait Therapy Device is transported to the customer a cardboard box on a pallet. The outer edges are additionally protected by a plastic bubble wrap and stretch foil. During the transport of ELEVEO Partial Weight Bearing Gait Therapy Device indoors, you should proceed in such a way as not to expose its outer edges to impact and rubbing.

4. SAFETY PRECAUTIONS



CAUTION !
ELEVEO Partial Weight Bearing Gait Therapy Device has a limited ability to load up! The patient's weight at lifting-lowering as well as during the partial weight bearing should not exceed 160kg.



CAUTION !
Do not allow controller mounted on the column to contact (flooding) with liquid (e.g. coffee tea, water, cleaning agents and disinfectants).



CAUTION !
The system uses a special harness to support the patient. It is important that the harness is properly fitted to the patient.

Before starting the procedure, you should facilitate the attachment of the harness to device by lowering the arm to the bottommost position and locking the castors. Similarly, after the completion of the session, you should facilitate the removal of the harness by locking the castors and lowering the weight bearing arm to the bottommost position.

The manufacturer shall not be liable for the consequences of improper (inconsistent with the conditions set out in this Manual) use of ELEVEO therapy device.

5. PREPARATION FOR USE



CAUTION !
The device may not be operated in rooms with high relative humidity, especially in rooms intended for hydrotherapy treatments.



CAUTION !
When determining or changing the place of use of ELEVEO therapy device you should pay particular attention to ensure that the space under the frame was free from any items. You should prevent uncontrolled access to the place of use of the device by children and pets (cat, dog, etc.).



CAUTION !
Do not use the device in an environment where other devices, which energy emission results from their normal operation (purpose) are operated. Device lifting system and panel during normal operation, as any electronic device generates, uses, and can emit radio frequency energy. If the device is not installed and used in accordance with the instructions, it may cause harmful interference to other devices in the vicinity. Manufacturer of the device does not guarantee that interference will not occur even in special location. To verify if the device is a source of interference to other devices, you must change its position. You can try to correct the impact of the interference by the following: change the orientation or location of the device, increase its distance in relation to interfered device, consult a service unit.



CAUTION !
In order to ensure safety of use, a minimum height of 2.5m must be maintained.



CAUTION !
Two people are required to install the unit.

1. The operation location of partial weight bearing therapy device should be chosen so that to ensure a minimum 80 cm gap from each side and enough space in front and behind the device to enable free movement. The device should be placed and used only on horizontal and level surfaces.
2. After removing the individual lifting units from the packaging and unpacking them from the transport foil, to complete the product, follow the enclosed installation and packaging instructions. After completing the proper installation and pre-setting of the ELEVEO lift, you can begin work.

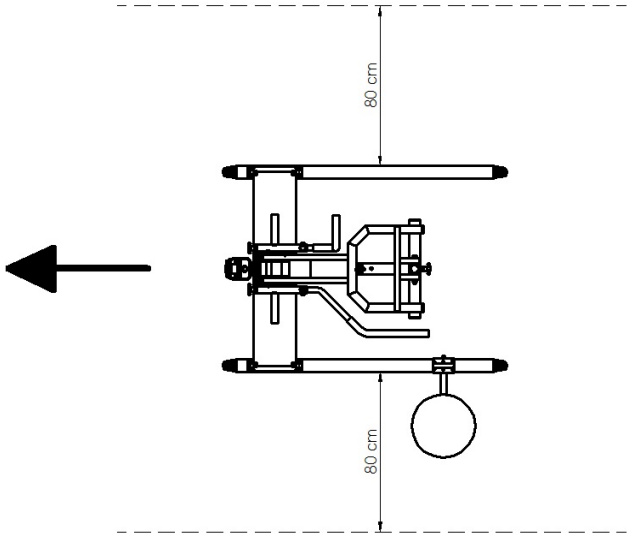


Figure 2 - The recommended location of ELEVEO therapy device

6. OPERATING THE DEVICE



CAUTION !
Always maintain a safe distance from the lifting mechanism operating during the height adjustment. The movable parts of mechanisms present a risk of crushing.



CAUTION !
Always secure the device against movement. Wheel brakes should be released only during gait therapy.



CAUTION !
Conducting gait therapy on a treadmill requires all four castors to be locked.



CAUTION !
Operating personnel must be present at all times during therapy and monitor its progress.



CAUTION !
In the event of a malfunction or deviations from normal operation, stop rehabilitative activities on ELEVEO therapy device and contact MEDEN-INMED service department.

In case of treadmill treatment you should unconditionally lock the wheels of ELEVEO. The patient should be dressed in suitable to performed procedures clothing. Clothes made of synthetic materials, thick and rough fabrics or other having thick embroidery details (jeans) and fastenings in the straps mounting points are not recommended. Long cotton sweatpants are recommended.

6.1. Height adjustment - lifting / lowering weight bearing arm



Danger of head injury.

CAUTION !

In the Partial Weight Bearing Gait Therapy Device height adjustment is done with manual remote control. The status of the lifting function is indicated by the green LED (see fig. 14), located on the remote control. Lifting (lowering) the frame lasts as long as the button on the remote control (▲ - up / ▼ - down) is held. After reaching the extreme maximum and minimum height, column drive switches off automatically.

6.2. Adjusting the dynamic partial weight bearing system

ELEVEO Partial Weight Bearing Gait Therapy Device is equipped with a dynamic partial weight bearing system. Adjustable characteristics of weight bearing arm movement enables the simulation of mounting mobility in the range of 0-12,5 cm. Change of the characteristics of the arm is done by means of an adjustable weight bearing knob (see Fig. 3). To adjust the dynamic partial weight bearing, suitable for each patient you should turn the adjusting screw. Unscrewing the screw (direction "+") increases the dynamic weight bearing. Screwing the screw (direction "-") reduces the dynamic weight bearing, until complete blockage of arm movement and turn off the Dynamic Partial Weight Bearing function (full weight bearing of the patient).





Adjusting dynamic partial weight bearing

Locking dynamic partial weight bearing

Figure 3 - Adjusting dynamic partial weight bearing system

6.3. Locking castors / direction of travel

CAUTION !



Locking the castors prevents the rotation of the device during gait training, but does not protect against castors slipping on the ground. The device should be placed and used only on horizontal and level surfaces away from the longitudinal slides, stairs, etc.



CAUTION !

Directional wheels should be locked after determining the direction of the Partial Weight Bearing Gait Therapy Device.

ELEVEO Partial Weight Bearing Gait Therapy Device is equipped with four castors. The two castors on the left side are equipped with directional lock (green brake mechanism), while the two castors on the right side with a full lock (see Fig. 4).

Sequence of setting the directional lock:

- ① Set the device in the space provided to carry out the gait therapy.
- ② Set the device in such a way that the castors lined up parallel to the axis of the device, in accordance with the travel direction.
- ③ Lock directional castors.
- ④ Castors with full lock are not blocked.
- ⑤ ELEVEO therapy device is ready for safe forward movement.
- ⑥ In the return direction, unlock the directional wheels and repeat steps ①–⑤, ensuring wheels moving in the right direction along with the device.



Figure 4 - Location of the castors in ELEVEO Partial Weight Bearing Gait Therapy Device



Figure 5 - Directional lock of the castors in the frame

6.4. Mounting the straps to slings - harness



CAUTION !
Only harness distributed by MEDEN-INMED can be used with ELEVEO Partial Weight Bearing Gait Therapy Device.



CAUTION !
The harness should be used according to the manufacturer's guidelines.

Straps for suspending the patient - harness (see Fig. 6) are used for stable fastening as well as supporting the patient during gait training. Prior to the session you should select and individually adjust the straps for each patient. Strap fasteners should be mounted with a slight play - the width of the palm, in order to pull it up later on adjusting elements. The pads sewn into the straps improve patient comfort during gait training.



Figure 6 - The harness for suspending patient to ELEVEO therapy device

Fastening the harness in upright position:

- ① Place the patient on his back.
- ② Place one end of the harness in the middle abdomen.
- ③ Turn the patient to left or right side.
- ④ Place the harness on the back of the patient so that the strips with hooks have an equal length in relation to the axis of the spine.
- ⑤ Place the lowest strap of the harness at the height of the great trochanter of the femur.
- ⑥ Pull the inguinal straps between the legs, fasten strap buckles in front of the harness.
- ⑦ While holding the harness turn the patient on his back.
- ⑧ Fasten front mounting buckles.
- ⑨ Check if the harness is located symmetrically with respect to the axis of patient's body - adjust the position of harness if necessary.
- ⑩ Tighten evenly - as far as possible the inguinal strips. This is an important step for comfort and even support of the patient.
- ⑪ After tightening the remaining straps the harness is ready for use with Partial Weight Bearing Gait Therapy Device.

Fastening the harness in upright position:

- ① Place the harness on patient's torso.
- ② Place the lowest strap of the harness at the height of the great trochanter of the femur.
- ③ Fasten front mounting buckles.
- ④ Tighten front straps.
- ⑤ Pull the inguinal straps between the legs, fasten strap buckles in front of the harness.
- ⑥ Check if the harness is located symmetrically with respect to the axis of patient's body - adjust the position of harness if necessary.
- ⑦ Tighten evenly - as far as possible the inguinal strips. This is an important step for comfort and even support of the patient.

6.5. Mounting the harness to ELEVEO therapy device



CAUTION !

Before each session, check the condition of the harness. Any damage to the harness and any part of it, disqualifies the harness from further use.



CAUTION !

When mounting the harness on the swivel sling it is not possible to display indication of the load on the panel. Indications are displayed when the harness is suspended on Partial Weight Bearing Gait Therapy Device frame.

The harness is attached over patient's head by the lugs sewn into adjustable harness straps (see Fig. 7). Suspension of the harness can be done directly on the weight bearing arm or on the swivel sling.



← Additional safety hook

Hanging the harness to the bearing arm



Hanging the harness do rotary sling

Figure 7 - Mounting the harness to the weight bearing arm

Mounting the harness to ELEVEO therapy device:

- ① Lock the castors.
- ② Adjust harness mounting height to the weight bearing arm about 10 cm above the patient's head.
- ③ Adjust the length of the upper harness straps ensuring free reach to grips on weight bearing arm.
- ④ Fit the straps to the fastening harnesses in the relief arm or the fastening hooks in the swivel bracket.
- ⑤ Attach additional safety hook (in relief strain).
- ⑥ Tighten upper straps all the way.
- ⑦ Mounted to the device harness with the patient is ready for use on a solid ground or in cooperation with a treadmill.

6.6. Adjustment - replacing the handrail



CAUTION !

Rigidly lock the handrail in the mounting hole. It is not allowed to block the railing by just inserting the pin through mounting holes – the pin should be further secured by tightening.

ELEVEO Partial Weight Bearing Gait Therapy Device is equipped with adjustable and interchangeable rails for supporting the patient during gait training (see fig. 8).



Figure 8 - Handrails for ELEVEO therapy device

Handrails can be adjusted in accordance with the mounting holes in handrail profile (see Fig. 9). To change the handrail or the position of the handrail remove the retaining pin by unscrewing and removing it from the retaining hole. After changing the type or location of the handrail, lock the retaining pin by inserting and tightening it in the fixing hole (see Fig. 10).



Figure 9 - Example of handrail mounting in ELEVEO therapy device



Figure 10 - Correct lock of the handrails in mounting holes

You can adjust the height of the handrail to the individual patient's height. To do this, loosen four locking knobs, located on both sides of the controller (see Fig. 11), set the desired height of the handrail and lock the locking knob in a way that ensures support of the handrail under the load.

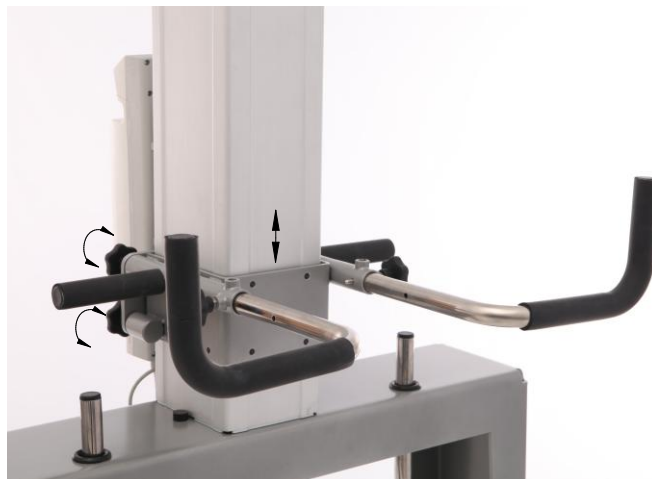


Figure 11 - Adjusting the height of the handrail in ELEVEO therapy device

6.7. Adjusting swivel sling

ELEVEO Partial Weight Bearing Gait Therapy Device is equipped with additional swivel sling to lift the patient (see Fig. 12). Additional sling is used to change the movement of the device along with the patient. Range of rotation is 0-90°. In order to change the position of the rotary sling loosen the locking knob, turn the swivel sling to the left or right (as needed) by 90° angle and lock the position by tightening the locking knob.

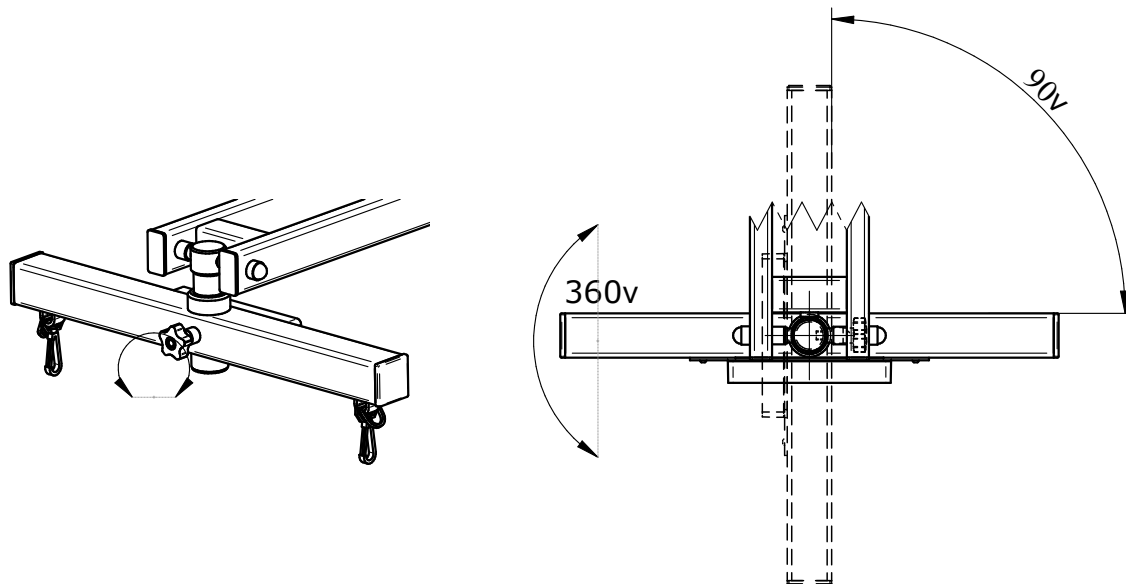


Figure 12 - Adjusting the swivel sling

6.8. Installation and adjustment of operator's stool

CAUTION !



After mounting or changing the position of the stool, block the position lock.

In order to improve ease of use of ELEVEO Therapy Device, there is possibility of mounting a stool at one of the beams of the frame. Stool can be moved along the rail, which allows optimal adjustment of the position for individual needs. Stool installation requires no tools. Stool arm mounted on the supporting wheel is fixed to the frame beam with a magnetic lock. To move the stool, pull the handle and determine new position then lower the handle. The magnetic lock works automatically (see Fig. 13). The wheel under the stool is used to adjust the position against the ground. If necessary, unscrew the knob or screw, until the optimal alignment of stool arm.



Figure 13 – Installation and adjustment of operator’s stool

6.9. Checking Battery Status

Checking the battery charge (see fig. 14) is done by visual inspection of the indicator on the remote control panel. Three dashes indicate battery full charge and free operation. A dash on the indicator indicates that the battery charge level may be insufficient for free operation and should be recharged.

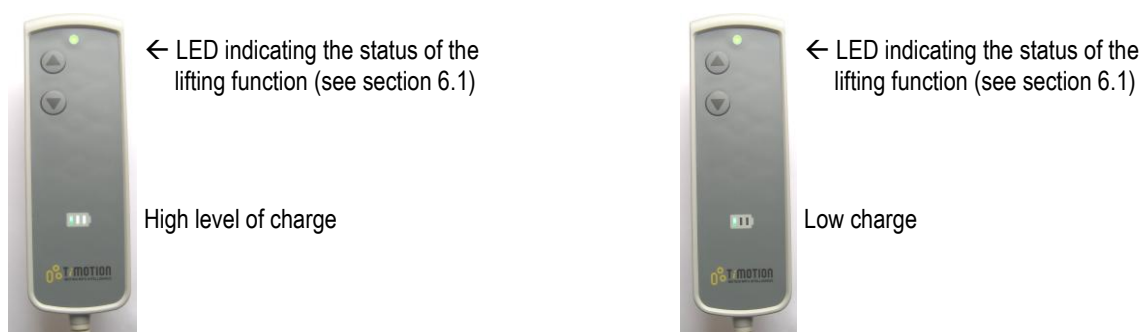


Figure 14 - Checking the battery charge level

6.10. Charging the battery



CAUTION !

After each finished charging, disconnect the power supply from the wall socket, and the battery from the docking station.

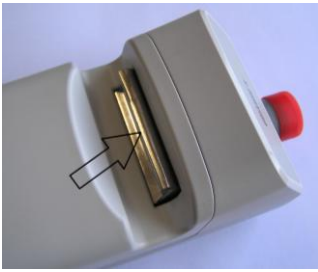


CAUTION !

Storing the battery outside of the controller enclosure must prevent a direct connection of battery terminals.

Battery charging (see Fig. 15) is possible with the use of a dedicated docking station and power supply purchased with the therapy device. In case of lack of power supply from the battery, release the battery by pressing the lock, remove it from the body of the controller and fit it in the dock. Docking station must be connected to the power supply, which must be connected into the power outlet 100-240 VAC 50/60 Hz. Charging status is indicated by indicator located on the power supply: Charging (yellow), Charging finished (green). The light on the docking station is a power indicator.

After removing the battery from the docking station you should put it back in the controller housing in a manner ensuring locking of the mounting hitch.



Removing the battery from controller housing



Connecting power supply to the docking station



Battery in the docking station



Inserting the battery into controller housing

Figure 15 - Charging and handling the battery

6.11. Lock button



CAUTION !

After each finished work, press the lock button preventing the launch of therapy device control function.

ELEVEO therapy device is equipped with height adjustment function lock button (see Fig. 16).



Figure 16 - Mechanism of protection against unauthorized access

Adjustment function is locked when the power lock button ① is pressed. Control function is enabled when the power lock button is not pressed ①. Lock release is done by turning the button ① in direction as indicated on its surface.

6.12 Elements of the weight bearing measurement system

The system consists of two devices. Weighing module and operator panel. The table together with two weight transducers has been provided for use as an indicator of dynamic patient weight bearing used in rehabilitation and gait reeducation. The task of the weighing module is to measure the unloading of the left and right sides and sending them to the operator panel. The task of the panel is to communicate with the weighing module and to present the received data to the operator panel.

6.13. Weighing module

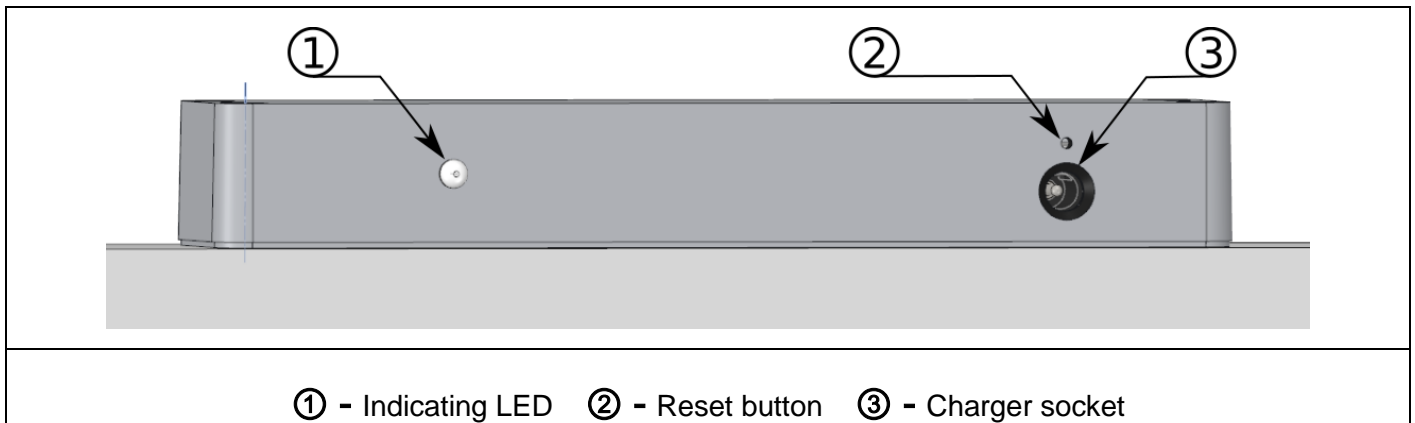


Figure 17 - Weighing module

Description of weighing module functions:

Turning on/off weighing module

The weighing module is switched on by changing the load on one of the sides by a minimum of one kilogram for about 1 second. The indicator light flashes with a short pulse twice per second, signaling the wait for the connection to the panel. If the connection is not established within 60 seconds, the device will automatically go into sleep mode. The LED stops flashing.

Connecting with the panel

The connection state to the panel will be signaled by a short pulse diode every 1 second. When the connection is interrupted, the beam will enter the wait for the connection mode, which will be indicated by a diode short pulse of 0.5 second.

Low level of battery charge

In operation mode, the diode uses green light to indicate the operating status. When the battery level is low, the status light is orange.

Resetting the device

The RESET button is located on the unit's housing. In case of a problem with the device, use a thin object and press it into the hole.

6.14 Charging weighing module battery

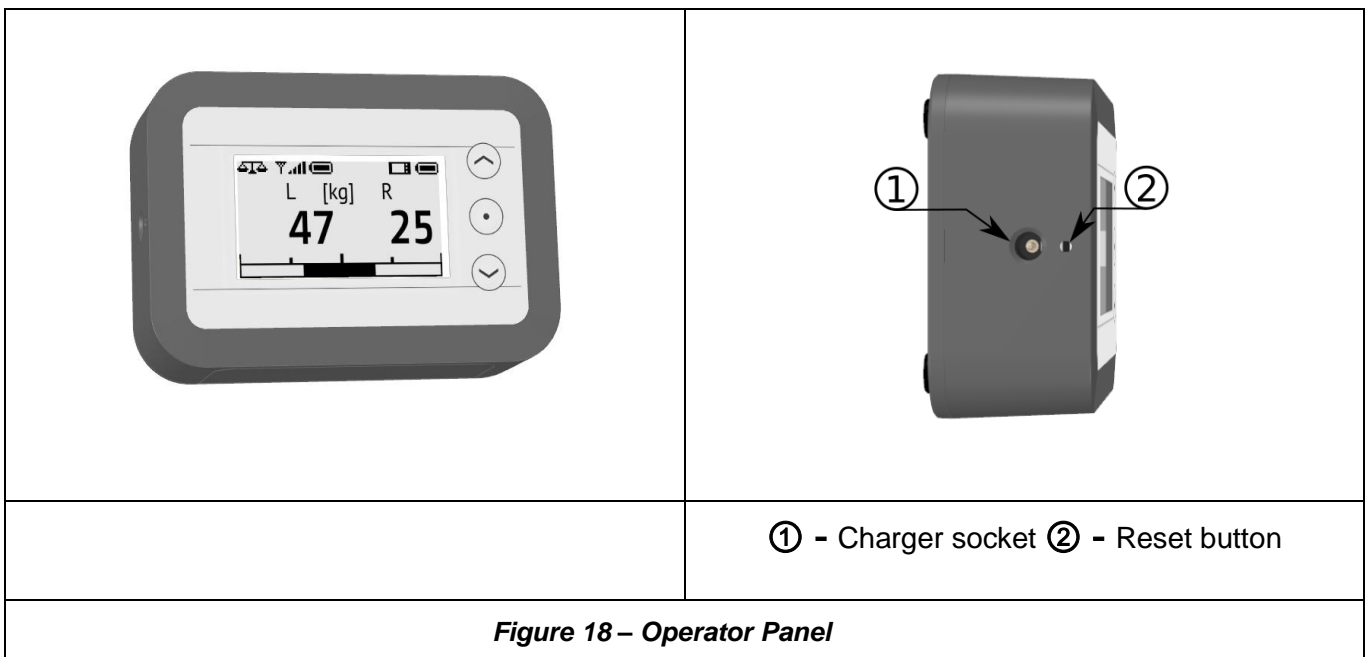


CAUTION !



Do not use a power cord and charger other than provided by the manufacturer.

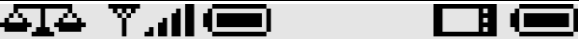






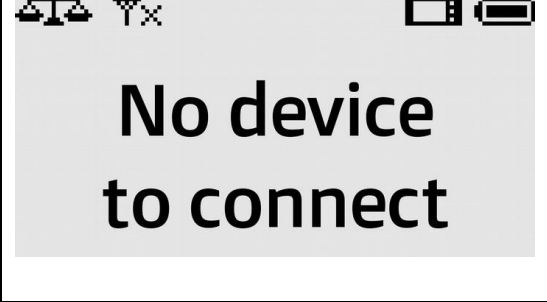


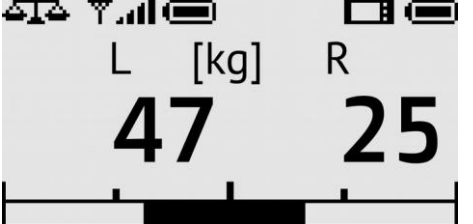
After connecting the charger to the device, the LED will turn orange and will turn off after charging the battery. Connecting the charger when the device is charged will cause the orange LED to turn on, which will turn off after about 1.5 minutes. During charging, the operating status is indicated by green pulses, as in the case when the charger is disconnected from the device.


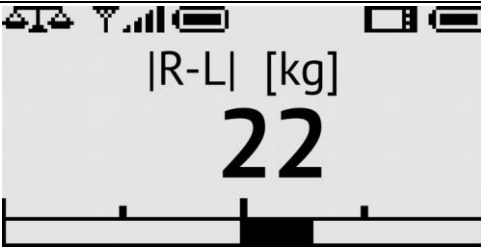


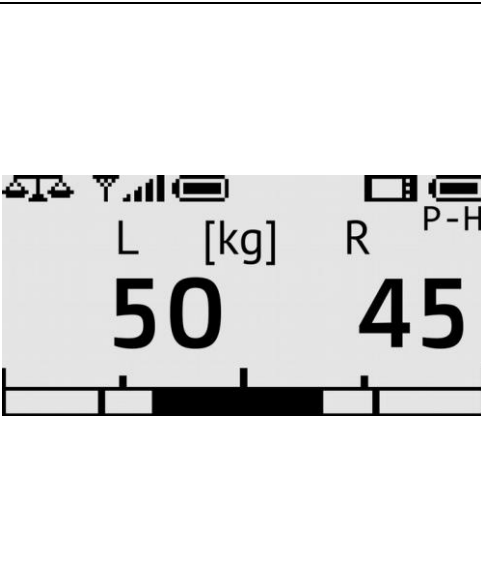


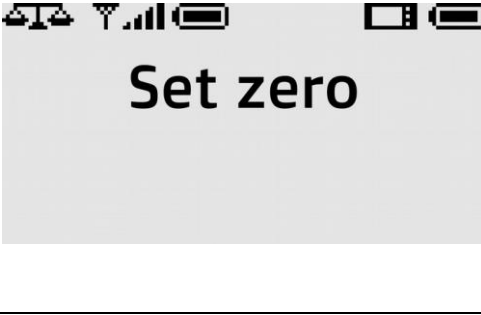





6.15 Operator Panel










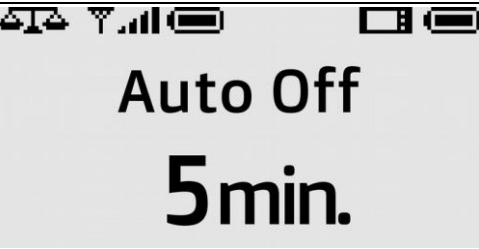




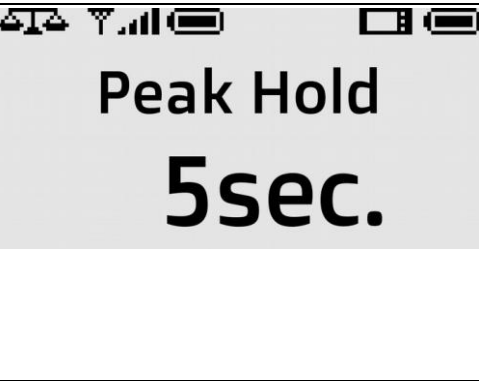








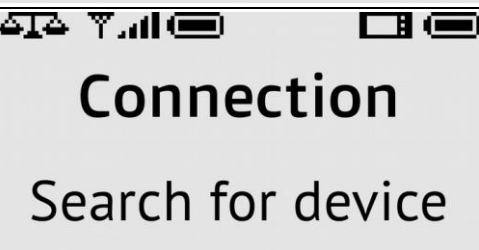







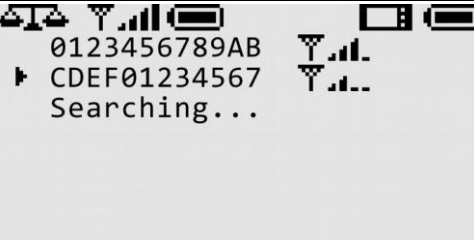

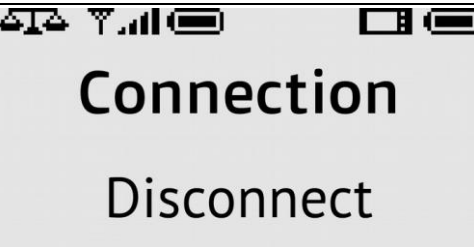




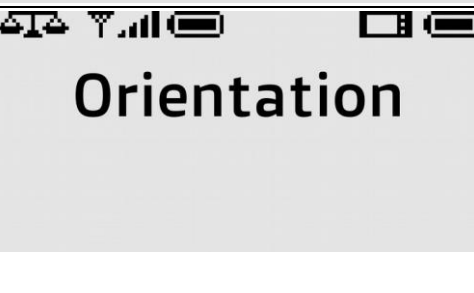


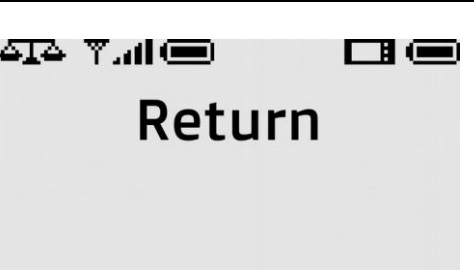
Description of panel functions:

<p>Turning on the panel</p>	<p>To activate the panel press any button and hold it for more than 0.5 s.</p>
<p>Turning off the panel</p>	<p>In case if no button is pressed for the programmed time or the load does not change by 1 kg, the panel will automatically turn off. To immediately switch off the panel from the main screen or connection waiting screen, press and hold for more than 0.5s.  or  button.</p>

Status bar	 <p>The status bar is always visible at the top of the screen. Indicates the connection status and battery level of the weighing module and operator panel.</p> <p> - symbol of weighing module. The icons on the right apply to the weighing module</p> <p> - signal strength. When the panel is not connected to the weighing module, the symbol  is displayed and the battery symbol is not visible.</p> <p> - symbol of the battery charge level of the weighing module / operator panel.</p> <p> - operator panel symbol. The icons on the right apply to the operator panel.</p>	
Connection waiting screen		<p>When the panel is started, a screen will be displayed informing you that you are trying to connect to a weighing module whose ID is displayed on the bottom line. If the connection is not established after the time of automatic shutdown and no button is pressed, the device switches off. When connected, the main screen is displayed.</p>
		<p>If the panel is not paired with a weighing module or the pairing has been deleted (Connection → Disconnect menu), the information will display about the lack of device with which the panel can connect.</p>
Main screen	<p>On the main screen measured values of weight relief of left and right side are displayed. Graphic indicator shows the measured weight bearing value against programmed patient's weight. Switching between display modes is done by pressing  or .</p>	
	<p>INDICATION FOR BOTH SIDES - simultaneously weight bearing value on the left and right side is presented.</p>	

	INDICATION OF SUM - the sum of weight bearing of left and right side is presented.	
	INDICATION OF DIFFERENCE - difference of weight bearing of left and right side is presented.	
	<p>MAINTAINING RELIEF PEAK LOAD - Pressing the  button will activate the peak load relief mode. The display under the battery indicator of the operator's panel displays the symbol P-H. This mode is active in all display modes. To switch off the peak hold mode, press the  button again. When the Peak Hold mode is activated, the display shows the highest recorded offload. It will be maintained for the time set in the user settings in <i>Peak Hold</i>. The graphical weight bearing indicator will be represented by the current strain weight bearing and additionally, there will be indications of the peak value.</p>	
Configuration of user settings	To change user settings when displaying the main screen or connection waiting screen press and hold  button.	
	<p>MEASUREMENT RESET - to reset the display when empty harness (without the patient) is mounted, press and hold  button. <i>Wait ...</i> will appear on the screen indicating the ongoing reset procedure. After a few seconds the procedure will be completed and the main screen will occur. This parameter is stored in the weighing module of Eleveo.</p>	
	INDICATION OF PATIENT WEIGHT - press  to enter the weight of a new patient, then use the  and  button to set the desired value from 25 to 200 kg (or 55 to 440 lb) and confirm the setting with  .	

	<p>WEIGHT UNIT - press  to change the unit, then use  and  button to switch between kilograms and pounds and confirm the setting with .</p>	 <p>Weight Unit kg</p>
	<p>SELECTION OF AUTOMATIC OFF TIME - press  to change the programmed time, then use  and  to set the desired value from 3 to 60 minutes and confirm by pressing .</p>	 <p>Auto Off 5min.</p>
	<p>HOLD TIME OF PEAK LOAD RELIEF - Press the  button to change the programmed time, then use the  and  buttons to set the desired value between 1 second and 60 minutes at 1 second intervals ranging from 1 to 10 seconds, every 5 seconds in the range of 10 to 60 seconds and every 1 minute in the range of 1 to 60 minutes and confirm with the  button.</p>	 <p>Peak Hold 5sec.</p>
	<p>SELECTION OF BACKLIGHT LEVEL - press  to change the brightness of the backlight, then use  and  to set the desired value from 0 (backlight off) to 5 (max brightness) and confirm the setting .</p>	 <p>Backlight 5</p>
	<p>CONNECTION TO THE WEIGHING MODULE – press  in order to enter the menu that manages the connection to the weighing module.</p>	 <p>Connection</p>
	<p>SEARCHING FOR DEVICES - To connect to the Eleveo weighing module, select <i>Search for device</i> from the Connection menu and press the  to confirm. The procedure for finding compatible devices will start. The search screen will appear.</p>	 <p>Connection Search for device</p>

	<p>SEARCH SCREEN - The search screen shows the IDs of the found devices and the signal strength. The number of devices is limited to 7. Use  and  to select ID to which the connection is to be made. A symbol  appears next to the selected ID. Then Press the  to confirm. The ID is saved in the panel. The connection waiting screen appears. To cancel the search, press and hold  until the menu appears.</p>	
	<p>DISCONNECTING - To disconnect the connection to the Eleveo weighing module and delete the saved ID from the panel memory, select Disconnect in the Connection menu and press  to Disconnect and remove the ID from the memory and return to the menu.</p>	
	<p>SCREEN ORIENTATION - The device can be configured to work with buttons on the left or right side of the screen (left and right hand) or automatically change the orientation. To change the orientation, press the button . Under Orientation inscription appears the current setting. Use  and  and select the desired configuration and press  to confirm.</p>	
		
	<p>RETURN TO THE MAIN SCREEN - press  to exit the Setup menu and return to the main screen.</p>	

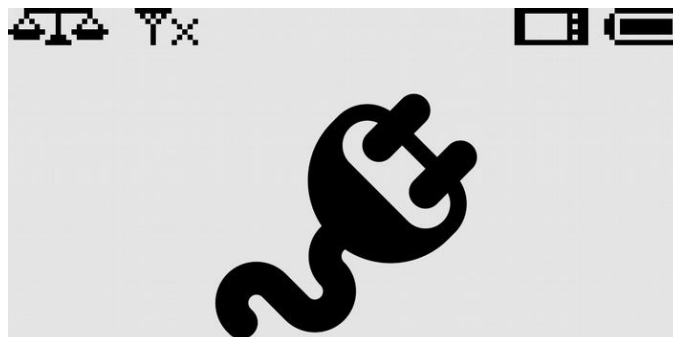
6.16. Charging panel battery



CAUTION !

Do not use a power cord and charger other than provided by the manufacturer.

To charge the built-in battery, use the supplied plug-in power supply DC 5V/1A. Jack for connecting the power supply is placed on the side wall of the panel housing. During charging, the battery symbol will be animated to indicate the charging process. Connecting the charger when the device is off will turn on the desktop and display a charging screen. Press any button to enter the operating mode. When the backlight is on, after 30 seconds it will turn off and the first push of any button will turn on the backlight.



7. ELEVEO THERAPY DEVICE OPERATING CONDITIONS

CAUTION !



Surfaces of the handle and device supporting structure must be prophylactically cleaned and / or disinfected after each use (after every patient) which allows to maintain proper hygiene conditions.

CAUTION !



The expected service life of the device is 7 years. After 7 years from the date of manufacture of the device (and its equipment) manufacturer is no longer liable for defects of the device (and its accessories) and the resulting consequences.

7.1. Cleaning patient contact surfaces

1. The surface of the handles should be cleaned and maintained as follows:
 - clean regularly with a mild detergent (e.g. soap) in warm water using damp soft cloth or sponge;
 - dirty place rub with a damp soft brush;
 - after cleaning, wipe dry with a soft cloth.
2. Harness for suspending the patient should be cleaned according to the manufacturer guidelines.
3. Avoid wetting the handle and harness for suspending the patient.

4. Accessible areas of handle and construction can be disinfected using Incidin Foam (available now from Meden-Inmed).
5. Do not use:
 - pastes, waxes, sprays;
 - strong detergents, solvents and cleaning agents containing solvents, alcohol and leather cleaning agents.

The use of such agents can cause stiffness and cracking of the material, as well as changing surface gloss, not covered by the warranty!

7.2. Maintenance of support structure mechanism

1. Metal parts of the structure can be cleaned with a soft, damp cloth. Cleaned surfaces should be wiped dry each time.
2. All the mobile nodes should be (with the exception of the column) lubricated once every six months or when loud noises occur during their work. Such nodes include:
 - transport wheels axles,
 - arms bearing bushes.

As a lubricant, we recommend using commercially available penetrating and lubricating formulations. Avoid contact with upholstered surfaces, and any spills of such preparations should be immediately removed with a dry cloth.

3. Periodically - every six months – carry out an inspection of threaded connections and, if necessary, remove the emerging backlash with a cross tip screwdriver with, hex keys (No. 4, 5, 6, 8 and 10, a spanner (17). Such connections include:
 - Weight bearing arm screws,
 - Lifting column fixing screws.
 - Transport wheels fastening screws.
 - Screws securing legs stringers in the frame.

All irremovable backlash on connections should be reported to the manufacturer service department followed by ceasing operation of table until removal of the cause.

7.3. Check of the column

ELEVEO is equipped with an electric column to change patient suspension height. In order to ensure proper operation, quarterly inspections of column verifying its correct functioning and the occurrence of sounds other than resulting from a normal operation, for example rattles, squeaks, creaks. Detection of any irregularities in the operation of the actuator must be immediately reported to the Meden-Inmed followed by ceasing operation of the device until removal of the causes.

7.4. Battery maintenance

The ELEVEO battery should be charged continuously for at least 24 hours in the following situations:

- first use of the lift,
- before long storage without connecting the AC adapter,
- as the first step after a long period of storage.

Storage period (including transport time) without connecting the AC adapter according to the estimated capacity (100% capacity for the battery shipped from the factory) is given in Table 3:

Storage time	Capacity	Status
3 months	79%	Usable
6 months	58%	Charge the battery before use (see section 6.10)
> 6 months	< 58%	Too long shelf life, - battery capacity is violated; Charge for 24 hours every 6 months

Table 3 - Battery life without connecting the AC adapter according to the estimated capacity

7.5. Periodic inspections of electrical safety

At least once every two years and each time after a failure/repair of table and panel motor/ automation, technical services of the user must perform or commission an inspection of the table in terms of electrical safety.

The minimum scope of the inspection should include:

- check if there were no mechanical damages of wiring;
- check whether there is any mechanical damages of controller housing, battery and columns;
- check the status of height adjustment function switches.

Inspection should be documented each time with entry in the Table.

Operating personnel must follow the instructions contained in this manual.

7.6. Spare parts list

- battery for the control unit TC12 24V / 2,9 Ah,
- battery for the control unit TC12 24V / 5 Ah.

8. WARRANTY CARD

1. Meden-Inmed sp. z o.o. provides a 24-month warranty for the delivered product, and 12-month warranty on upholstered parts. The warranty period starts from the date of sale, as shown in the sales document.
2. Meden-Inmed sp. z o.o. as part of the warranty is responsible for the quantitative and qualitative shortcomings, detected immediately after unpacking the subject of the agreement at the customer. The customer is obliged to report within 2 working days in writing about quantitative deficiencies.
3. Warranty services may be provided only by Meden-Inmed service department or entity authorized by Meden-Inmed sp. z o.o to provide such services.
4. Extending the duration of the warranty repair over 3 days, irrespective of the reasons, causes an extension of the warranty period for the full period of malfunction of delivered equipment.
5. If a particular component was repaired twice before, in the case of disclosure another (third) fault the guarantor is obliged to replace the faulty component on the new one. All damaged components / parts replaced during warranty repairs shall become the property of the service.
6. Under pain of losing the warranty, the user is obliged to provide appropriate maintenance of equipment and installations.
7. Warranty excludes defects resulting from natural wear and tear, meaning such wear and tear, which is not the result of defects in material or workmanship, it also excludes damages resulting from lack of maintenance (e.g. of valves, bearings, slides, fans, etc.).
8. The warranty does not cover materials and consumables (e.g. gaskets, cables and patient connecting cables, etc.).
9. Meden-Inmed sp. z o.o. is not responsible for the safety of the user or patient during the operation of installed equipment in the event of non compliance with provided installation and operating manual.
10. The user shall bear the risk associated with the use of equipment covered by the warranty. Meden-Inmed sp. z o.o. under the warranty is not responsible for the loss of expected benefits and for the costs resulting from the use or inability to use this equipment.
11. Any defects not reported by the user in writing (letter, fax, email) during the warranty period are not covered by the warranty.
12. Costs arising from unjustified failure notification shall be covered by the user.
13. Warranty shall not cover the equipment in which:
 - serial numbers and factory seals have been removed or damaged;
 - damages resulting from the operation in other ways than those specified in the operating manual;
 - independent repairs or alterations by authorized persons were conducted;
 - mechanical damage occurred (e.g. due to improper transportation);
 - damages were caused by fire and lightning or as a result of other accidents.
14. In the case of resale of equipment covered by the warranty additional warranty cards shall not be issued.
15. The guarantor shall not issue a duplicate of Warranty Card.
16. This warranty, in the case of consumer sales, does not exclude, limit or suspend the rights of the buyer arising from nonconformity of goods with the contract.

Dynamic Partial Weight Bearing Gait ELEVEO										Date, signature and stamp of the Guarantor:
SN:					-					

