User manual

Stand up, stand and transfer aid

Vita-Lift 210





Foreword

Dear Customer!

We would like to thank you for your trust extended to us and for purchasing the Vita-Lift 210 stand aid.

The stand up and transfer aid Vita-Lift 210 distinguishes itself by its quality, security, easy operation and modern design.

For optimal use of this aid, we ask you and possible other users to carefully read this operating manual.

Please read through these instructions carefully before first use and handle equipment appropriately!



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3 Safety instructions

The stand up and transfer aid Vita-Lift 210 is CE-marked and fulfils the requirements of the lastest directives. It was developed in line with most recent findings. Production is subject to an on-going quality control.

Please read this user manual carefully before operating the stand up and transfer aid.

In case of loss, request a new copy or download directly from our download area on our homepage www.ato-form.com.

Please keep the user manual in a safe place, accessible to care and maintenance staff.

The user manual does not replace the experience of supervisory staff with the experience and knowledge of operators, which they gained from (for example)

training courses.

In the event of specific or difficult applications, the user manual represents a guide to the most important handling.

Ensure all users of this aid understand its handling and the meaning of the symbols attached to the device.

Accidents can be prevented when technical instructions according to the EWG guidelines are followed.

Protective coverings, labels and warning notices may not be removed.

The maximum load-bearing capacity of the Vita-Lift 210 is 210 kg.

Regular monitoring at your specialist dealer (at least once a year) lengthens the life time of the Stand up and transfer aid and gives you security. Please also see section: maintenance and overhaul.



3 Safety instructions

- Before mounting or using the stand up and transfer aid Vita-Lift 210 carefully read all instructions of this user manual, as these have been drawn up for your safety and as a guideline for the correct use and maintenance of this product. This operating manual is an indispensable component of the delivery and should be stored carefully for further use.
- The operating manual is intended for retailers and users of the stand up and transfer aid Vita-Lift 210, (or their carers).
 It contains the required information to secure the correct use of the product, it cannot, however replace the necessary experience of the user or assistant in handling the device.
- The reseller has the duty to deliver the device ready for operation and to explain precisely the functions and technical data of the device, as well as provide the necessary support and briefing needed for a correct and efficient use of the device.
- The given instructions of the operating manual, refers to the point in time of the device being placed on the market.
 The manufacturer reserves the right to introduce any modifications which prove necessary to the device and associated operating manual, without being bound to change previous devices and associated operating manuals.
- Use of the rehabilitation aid and its accessories, must be administered under medical supervision.

- The stand up and transfer aid Vita-Lift 210 must only be operated under supervision of a qualified person, or respectively a family member of the user.
- Never leave the user of the aid unattended.
- The Vita-Lift 210 may only be operated by persons who have familiarized themselves with the standards and rules of the present operating manual.
- The Vita-Lift 210 may only be used by persons of a suitable stature and physical aptitude.
- Never place a patient in an aid, which is not coordinated with his or hers body height and weight.
- Adjust settings only in the unloaded condition.
- Do not place any hot beverages or objects onto the aid you have purchased, as this would seriously damage the aid.
- Do not load any heavy objects onto the aid, as this would impair the structure, the centre of gravity and consequently impair the balance.
- Always ensure there are no obstacles in operating range of the rehab aid, such as carpets, stairs or objects on the floor, which could lead to the stand up and transfer aid Vita-Lift 210 overturning.
- Move all objects out of the way, which could be hit or fall whilst operating the aid.
- Never use the aid on rough terrain, steeply sloping ground or stairs.



- Do not use the rehab aid before ensuring a complete and correct fitting of the safety belts, if available.
- Check all adjustable parts are locked, before every use of the aid.
- The brakes must always be locked during patient transfer.
- Always lock brakes before use, when setting, adjusting functions or accessories.
- Please note the individual and overall safety relevant information when using several rehabilitation aids simultaneously.
- All aspects of spatial influences (uneven, wet and smooth floors, steps or similar) must be taken into consideration by the carer or user.
- Do not use the Vita-Lift 210 before checking the wheels of the aid.
- Wet and dirtied wheels can decrease the braking effect.
- Check regularly if all screws and handles etc. are firmly tightened. Worn and defect parts are to be repaired or replaced immediately. This is especially important to ensure a safe use of the rehab aid! Carefully check the clamping jigs and the like are securely fixed.
- Do not use the aid, if parts of it are damaged or missing. Missing parts are only to be replaced with original spare parts.
- Do not carry out any interferences or measurements if you are unsure of their effects; for your own safety contact the nearest service centre or contact the dealer directly.
- In case of accidents or malfunctions, contact the dealer or manufacturer from whom you purchased the device.

- The manufacturer is not liable for damage to persons, objects or animals resulting from false usage of the equipment by the user or third parties, through incorrect mounting of parts and accessories, by neglect or poor maintenance, neglect, through unauthorized alterations and modifications, usage of non-original spare parts or accessories, through unpredictable and exceptional events resulting from non-compliance of the regulations in the presented operating manual
- Clean the stand up and transfer aid Vita-Lift 210 in accordance with the instructions given in the chapter "cleaning".
- Please ensure before use the product is cleaned according to the cleaning instructions and if indicated also disinfected.
- Any serious incidents occurring in connection with the product must be reported to the manufacturer (ATO FORM GmbH) and the competent authority of the country in which the user is resident.

Make sure that the battery is charged regularly. Complete or total discharge of the battery will destroy the battery cells.

The Vita-Lift 210 is equipped with automatic shut-off and an emergency-stop switch.



We constantly develop new aids and improve existing products. We are happy to receive your suggestions of every description.



Warranty and product liability CE-sign and position

4 Warranty and product liability

ATO FORM grants the required by law warranty of your country against defects in workmanship and materials.

The warranty would be adversely affected if the customer's responsibility of servicing and/or daily maintenance is not carried out according to the guidelines and intervals prescribed by the supplier and/or stated in the manual.

For further information, we refer to the ATO FORM homepage/download www.ato-form. com.

The warranty can only be sustained if the ATO FORM product is in use in the same country where it was purchased and if the product can be identified by the serial number. The warranty does not cover accidental damage, including damage caused by misuse or neglect.

The manufacturer's obligations transfer then to the person carrying out the modifications.

The warranty does not extend to non-

durable parts, which are subject to normal wear and tear and need periodic replacement.

The warranty is null and void if non-original ATO FORM parts/accessories are used, or if the product is repaired or altered by anyone other than an authorized ATO FORM representative or by trained personnel officially recognized by ATO FORM for repair and maintenance of ATO FORM products.

ATO FORM reserves the right to inspect the product being claimed for and the relevant documentation before agreeing to the warranty claim and to decide upon whether to replace or repair the defective product. It is the customer's responsibility to return the item being claimed for under warranty to the address of purchase.

The warranty is given by ATO FORM or, subsequently, an ATO FORM dealer.

5 CE sign and position

The CE sign with details of the manufacturer, article number, serial number and production date is located on the right side of the frame.





Indications and prophylaxis Purpose of use

6 Indications and prophylaxis

Minimal mobility left e. g.:

- Paralysis of lower extremities
- Muscular diseases
- And others

Contraindications

- Limb loss of the lower extremities
- Open wounds (at the belt points)

The list of contraindications does not grant guarantee completeness.

The patient's general condition is an important part of the risk assessment. In individual cases, the decision must be made by the attending physician, who must weigh the risks versus the expected benefits.

7 Purpose of use

The Vita-Lift 210 is a standing and transfer aid for home care, acute care and residential care. Due to its manoeuvrability and ease of use, it can be operated by one person.

It has become an indispensable aid for patients in transfer, standing and walking.

The Vita-Lift 210 may be used to assist individuals from sitting to standing, transporting ans walking. All of the above should only be done following a risk assessment of the person being moved to asses their ability and safety using the equipment.

The Vita-Lift 210 may only be used for the applications described above. For all other applications and any resulting damages in connection therewith, the manufacturer accepts no liability.

You also have the opportunity to use the extensive system accessories available from the ATO FORM range of products.

The device must be prescribed by a medical specialist, who has tested beforehand and determined if the Vita-Lift 210 is suitable for the individual therapeutic goal of the patient. Furthermore, the medical specialist has determined the aid to be suitable according to measurements, weight and willingness of the patient to use the aid.

The aid is delivered via an authorised technician in compliance with the requirements of the country where it is being used and in strict accordance with the information and instructions in this manual for adjustments of the aid according to the measurements of the user. Only compliance of the regulations and instructions can lead to positive ergonomically effects.

We wish you every success when using the stand up and transfer aid Vita-Lift 210.



Product overview

8 Product overview

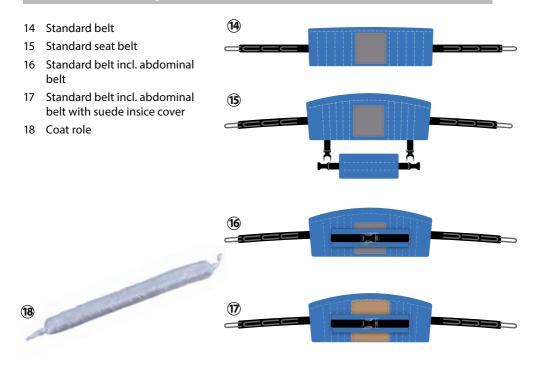
8.1 Basic model





Product overview

8.2 Accessories / Options



For a complete overview of our extensive range of accessories for the Vita-Lift* 210 see item

11.2 Types and accessories on page 24.



Initial operation

9 Initial operation

The reseller is to unpack the unit, ensure that the components and accessories listed in the scope of delivery are all present and undamaged, and give the buyer the initial instructions on use of the aid. Above all the reseller should read through the complete present user manual carefully, in order to then explain it to the customer in detail.

This way, with help of the reseller, the user as well as the attendant must become familiar with the correct operation of the aid.

Once the demonstration has been completed, the reseller must ensure the user and/ or the assistant have fully understood the basic functions of the equipment. This is the only way to prevent the user from dangerous situations.

The above mentioned requirements must be observed for first use and also for reuse.

The seller must give instruction for use, as well as explain the basic functions of the device according to MPG (medical products law) to qualified staff.



10 Assembly and adjustment

10.1 Basic model

The Stand aid has been delivered to you as a complete hoist unit, so no assembly is required.

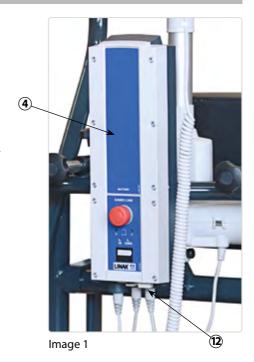
Unpack the product and remove the packing materials. Ensure that all supplied components are present and undamaged.

Please check before using, that all plug connections are plugged in correctly and secured. All sockets are located on the underside of the control unit case (Image 1 – (12))

Before using the Vita-Lift 210 please note following:

The battery (4) must be loaded before the first use. For loading insert the plug in the power cord, ensure that the Emergency stop is in the out position and allow the battery to recharge for 12 hours prior to use. Use only the originally supplied power cord.

If the control unit is connected to the power plug on power grid, the two LED displays (ON/Charge) flash on. As soon as full capacity is reached, the orange LED display "Charge" goes out.



The operation of the Vita-Lift 210 is not available while loading! Therefore we recommend to charge the battery after using evry day.



Operation of the electrical parts

Make sure that the emergency stop button (red button) on the control box is not pressed.

If the button is pressed in, then hold and rotate the red button clockwise an the button will pop out and the unit will function.

Fit the battery pack to the control box making sure it clicks into the position in the top of the bracket, as shown in the Image 3.

Fit the hand control to the hand control socket located on the base of the control unit.

Note:

The hand control lead can only be fitted in one orientation into its socket. Dot not use force to insert the hand control into its socket. The plug when correctly inserted should be pushed firmly home.



Image 2



Image 3

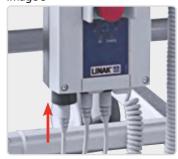


Image 4



Operation of the electric actuators

The raising and lowering of the lifting arm and the spreading of the suspension will be achieved by pressing the corresponding button on the control.

Before you use the stand-up aid, please insure, that the emergency-stop-button (Image 6 - (1)) is not pushed. if applicable solve the button by turning the knob.

In dangerous situations push the red emergency-stop-button on the control unit immediately.

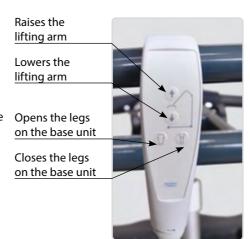


Image 5



Image 6

After using the Vita-Lift 210 please always push the emergency-stop-button, otherwise the battery is going to unload.



Operation the emergency lowering

In the case of a manual operation fault, the electrical functions can also be operated via the two micro push-buttons of the emergency control on the control unit.

The electrical emergency lowering (Image 7 - (1)) allows the lifting arm to be lowered to the lowest position.

To do this, press with a ballpoint pen or other pointed object int the right hole (micro button) below the redt button on the control unit.

You have the option of emergency operation (lifting the support arm) via the left micro button (Image 7 - (2)).

Additionally you can use the manual emergency lowering facilitated (Image 8 – 3) by pulling the red lever on the lift actuator upwards until the support arm is in the desired position.

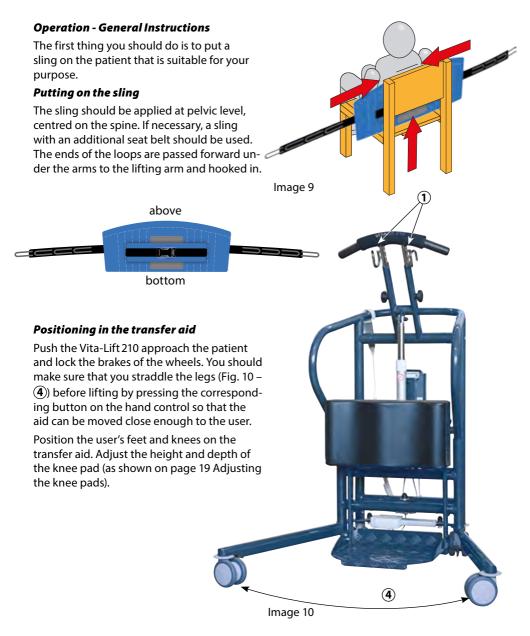


Image 7



Image 8





Adjustment of the knee pads

For knee pad adjustment loosen the two set screws (A for height, B for depth (Image 11 - (B)).



Image 11

Hooking in the sling

Adjust the lifting arm by lowering or adjusting the depth (Fig. 11) so that you can hook in the loops from the sling. The loops of the sling are hooked into the receiver at the front (Image. 12, 13 - (1)).

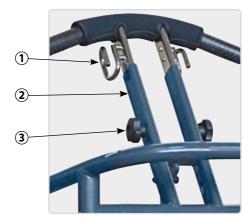


Image 12

Suspension parts such as loops, chains or rings must always be correctly seated in the hooks provided

(Image 12 – (1)).



Make sure that the loops are hooked in evenly (colour marking, Fig. 12) so that the user can also be lifted evenly.





Lifting and transfer

Position the hands on the handle bars or in front of the chest, depending on the user's indication.

Raise the lifting arm until the user is almost standing. Now you can release the brakes and move the chassis together to move the user.

Make sure that the user is held securely throughout the lifting process.

During the entire transfer, the user should hold on to the handle bars. Once at the desired location, the width adjustment may need to be readjusted.

The user is lowered to the desired place (e.g. bed, armchair, chair) by lowering the lifting arm.

When the user is safely seated in the desired place, only then may the belt first be removed from the lifting arm. To do this, take the load off the loops by moving the lifting arm down a little.

You can then remove the sling from the user.

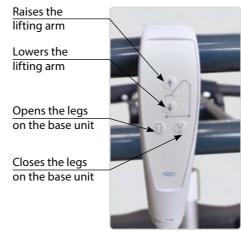


Image 14

Never leave the user unattended in the aid.

When putting the user down in a wheelchair or commode chair, make sure that the footrests are swung aside and the brakes on the wheelchair or commode chair are locked.

The transfer should always be as short as possible! It is important to maintain eye contact with the user during the entire transfer process.

This ensures that the caregiver can immediately adjust and react to a changing situation.



Lowering the support arm

For the intended use, the support arm is first raised with the suspended user and then lowered again to the desired position. The weight of the user causes the support arm to lower itself when the hand control is operated.

Please note that if the support arm is raised without a user, the associated drive needs a slight load to return to the starting position.

Depending on the position, the weight of the support arm is sufficient for it to lower itself when the hand control is operated. If the support arm does not lower itself when the hand control is operated, it is sufficient to press it down slightly by hand.

During use:

If the battery is discharged while using the Vita-Lift 210 the client can be moved to the lower position by making use of the emergency lowering (on the control unit). The battery must be loaded immediately.

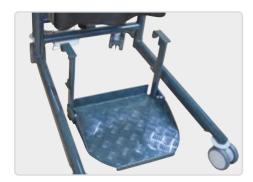
Emergency lowering

The Vita-Lift® 210 has a mechanical and an electrical emergency lowering system. Read here the subitem **Operation of the emergency lowering** on page 17.



Footplate

For patients who can still walk with support, the footplate (Image 12, 13 – (9)) can be removed. However, care must be taken to ensure that the footrest is securely attached in the correct position below the knee pad unit.









10.2 Accessories /Options

For a complete overview of our extensive range of accessories for the Vita-Lift* 210 see item

11.2 Types and accessories on page 25.



Types and accessories

11 Types and accessories

11.1 Basic model

Item No. Description

VI-1210 Stand up and transfer aid Vita-Lift 210



Types and accessories

11.2 Accessories / Options

*always add to VI-3095 Calf belt fitting order

Item No.	Description
VG210-0111	Standard belt, for Vita-Lift® 210, size 1
VG210-0112	Standard belt, for Vita-Lift® 210, size 2
VG210-0211	Standard seat belt, for Vita-Lift® 210, size 1
VG210-0212	Standard seat belt, for Vita-Lift® 210, size 2
VG210-0411	Standard seat belt, incl. abdominal belt, for Vita-Lift* 210, size 1
VG210-0412	Standard seat belt, incl. abdominal belt, for Vita-Lift* 210, size 2
VG210-0413	Standard seat belt, incl. abdominal belt, for Vita-Lift* 210, size 3
VG210-0411-WL	Standard seat belt, incl. abdominal belt with suede inside cover, for Vita-Lift* 210, size 1
VG210-0412-WL	Standard seat belt, incl. abdominal belt with suede inside cover, for Vita-Lift* 210, size 2
VG210-0413-WL	Standard seat belt, incl. abdominal belt with suede inside cover, for Vita-Lift* 210, size 3
VG210-0300	Coat role
VI-3090	Calf belt incl. belt cushion*
VI-3095	Calf belt fitting

The most up-to-date overview of our extensive range of accessories for Vita-Lift 210 and their description as well as much more useful information can be found on our homepage www. ato-form.com.

For special problems, or if it seems the accessories you require are not demonstrated nor described, please contact us.

We may already have the right solution for you.



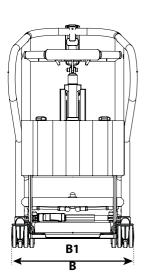
Technical details

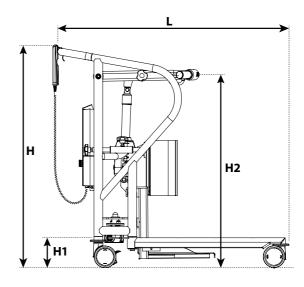
12 Technical details

	Vita-Lift*210		
	Indicative user height	< 190 cm	
L	erall length 1056 mm		
В	Overall width outside spread chassis	874 mm	
В	Overall width closed chassis 480 mm		
Н	Overall height	1002 mm	
H1	Lifting height (highest point of lifting arm	890-1540 mm	
H2	Chassis height	assis height 137 mm	
	Turning circle ø 1056 mm		
	Castors front / rear 100 mm		
	Footplate size 398 x 352 mm		
	Power consumption during charging max. 19 W		
	Power consumption in standby mode max. 2.5 W		
	Lifting speed	11 mm/s without load 7 mm/s with maximum load	
	Battery	24 V DC 2.9 Ah	
	Battery charger	Integrated battery charger	
	IP Protection class	IPX4	
	Duty cycle	max. 10% (2 min./ 8 min.)	
	Noise level	50 dB (A)	
	Product weight	57.0 kg	
	Maximal load	210 kg	
	Emergency switch Yes		
	Mechanical and electrical emergency lowering	Yes	
	Possible lifting operations per battery charge	35 bis 50	

Technical changes reserved!

Technical details





Construction:

The stand-up aid is consists of:
a powder-coated tubular steel frame,
chrome-plated adjustable metal
components, foam padded supporting
elements with comfortable and easy-to-clean
leatherette upholstery, 4 polyamide double
safety castors, each with full brake.

Hand control:

- Anti-slip coating on the back to prevent dropping,
- Essential information about battery state, overload occurrence and service always at hand.
- Button type: Easy touch tactile switches

Control Box:

- Service indicator, informing that it is time for a service visit
- Internal charger Diode display (LED indicators)

Operating conditions

Temperature: +5 °C to +40 °C Relative humidity: 20% to 90% –

noncondensing

Air pressure: 800 to 1060 hPA

(Operation in an estimated

 $height \leq 2000 \text{ m}$



Cleaning and disinfection

13 Cleaning and disinfection

Leftovers, dirt and dust are always to be removed. Moving parts work easier, if you apply one drop of oil after cleaning.

Cleaning the metal parts:

The painted and chromed parts of the stand up and transfer aid should only be cleaned using a soft cloth and mild and alcohol based customary cleaning agents.

Cleaning the rollers/wheels and joints:

Keep these clean at all times; regularly remove dust, hairs and other accumulating dirt from rollers.

Cleaning of textiles and imitation leather:

These are best cleaned using water and a mild detergent.

When using the cleaning agents the instructions of the manufacturer must be observed.

Disinfection:

For disinfecting, use household disinfectants and consider the following indications:

The assistant must wear suitable protective clothing (for example gloves) in order to avoid infections.

When using disinfecting agents always follow the instructions of the manufacturer.

Warning

Do not use strong solvents, which could damage the surface of the device.

The use of a high-pressure cleaner will void the warranty.

Ensure that the upholstery and wooden surfaces are kept clean. Urine and sweat can damage the product.

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Maintenance and overhaul

14 Maintenance and overhaul

For the protection of the warranty and safety, it is especially important that the stand up and transfer aid is serviced regularly once a year from the date of purchase.

It is recommended to make service arrangements. The manufacture will gladly provide the maintenance check list to your specialist dealer on request.

Please contact your specialist dealer to carry out corrective maintenance works for your Vita-Lift 210.

The device should be checked by the manufacturer at the latest after 3 years.

Maintenance Checklist

Castors

- No damage or wear
- Firm seat

Brakes

- Free from grease and dirt
- Full brake function
- No signs of damage or wear

Frame

- Metal parts; no signs of damage or wear, especially for adustable parts
- Welding seams are intact
- Fasteners, bolts, nuts and springs are secure
- Replacement of parts if there is any sign of wear
- No signs of wear of damage of the safety components

Upolstered padding

No signs of wear



Maintenance and overhaul

Date	Service performed	Name	Sign



Operating life and Re-use

15 Operating life and Re-use

The Vita-Lift 210 is made from high quality materials and is subject to a continuous quality control in our house. Because of this and the solid construction, the expected operating life of our product is up to 8 years, depending on the usage intensity and number of re-uses, under normal and compliance with its intended use (according to the instructions given in our user manual).

With the appropriate servicing and maintenance by trained personnel and the review by the manufacturer or authorised specialist dealer at the latest after 5 years, an extension beyond this period is possible.

The expected operating life does not apply to wear parts.

The product Vita-Lift 210 was designed so it could be reused after the application of various measures.

Following measures should be followed:

- Thorough cleaning and disinfecting using appropriate cleaning agents.
- Replacement of wear parts
- Maintenance, following the maintenance schedule of the manufacturer or authorized specialist dealer.
- Preparing accompanying documents and release for re-use.



Faults, Repairs, Spare parts

16 Faults, Repairs, Spare parts

If your toilet seat lift Vita-Lift 210 cannot be operated?

Please ensure.....

- The plug is plugged in the socket and is supplied with power.
- the main switch is activated and there are batteries in the remote control.
- the emergency-stop-button on the battery housing is not depressed.
- All plug connections are plugged in correctly and secured.

Try and shut down the fault.

Failing that, contact your specialist dealer / reseller.

Only original accessories and original spare parts may be used. Non-compliance with these instructions and repairs carried out or modifications made to the Vita-Lift 210 or its parts by unauthorized persons, voids any warranties.

In these cases, any product liability granted by the manufacturer (ATO FORM GmbH, Zur Lauterhecke 34, 63877 Sailauf, Germany) is voided in advance.

For all questions about spare parts and accessories contact your specialist dealer or the ATO FORM-Service 0049 6093-944-0.

Spare parts and accessories must not be removed or replaced while the patient is using the stand up and transfer aid!



Storage

17 Storage

Keep this operating manual in a safe place, where you or care and maintenance staff have access to it.

The current version of these instructions for use can be found on our homepage in the download area.

You can find more information about the product on our homepage at www.ato-form.com or under this QR code.

Disposal of battery operated devices



The battery pack must not be disposed of together with normal household waste at the end of its service life. Please observe the legal requirements in your area. Your municipal government and locally based waste disposal companies will be happy to provide you with information in this regard.

In environmental protection matters:

All packaging parts are re-useable. The cardboard packaging is to be recycled as waste paper. We therefore use paper as filler material. Possible used plastic film of the packaging are made out of PE and are therefore low in pollutant and can either be recycled or burnt.



Complete Range:

- Head and body protection
- Walking aids
- Gait trainer
- Standing aids
- Seating aids
- Hoists
- Customized solutions

Thank you for your interest in our products. For questions please contact ATO FORM GmbH or your specialist dealer.

Your ATO FORM Team



ATO FORM GmbH

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Your specialist dealer