en

Scooter
Model 1.254

Operating manual

CE

MEYRA®
We move people.

Contents

MEANING OF THE APPLIED MARKERS

Safety instructions with a coloured background are mandatory and need to be observed under any circumstance!

☞ This symbol indicates tips and recommendations

[ ] Reference to a picture number

( ) Reference to a function element within a picture.

INTRODUCTION

Read and observe this manual before first operation. Children and juveniles should read this documentation together with their parents respectively a supervisor or accompanying person before first use.

This operating manual is to help you get accustomed to the handling of the Scooter as well as to prevent accidents.

☞ Please note that the illustrated equipment variants can deviate from your model.

We have therefore also listed chapters with options that might not be applicable for your vehicle.

Users with visual impairments can find the PDF-files together with further information on our website:

< *www.meyra.com* >.

☞ Contact your specialist dealer when required.

Information about product safety, possible recalls and general handling instructions of our products can be found in the < *Information center* > on our website:
< *www.meyra.com* >.

Our implemented assembly groups and components fulfil the demands of the norms of correspondence acc. to EN 1021 -2 for durability against inflaming.

LIST OF MODELS

This operating manual applies to the following models:

Model 1.254

INDICATIONS

In case of allergic reactions, redness of skin and/or pressure sores while using the Scooter, contact a doctor immediately.

If the following indications occur we recommend the application of this mobility product:

☞ Inability to walk resp. extremely limited walking abilities in the scope of the basic requirement to move around in your own apartment and to be able to leave the apartment, in order to catch some fresh air outside or in order to reach places close by for daily demands.

☞ Provision with a scooter is required when use of manual wheelchairs is not possible due to the handicap, but operation of an electronic drive lies within the capabilities.

☞ A bit of remaining walking abilities is required for the use of such vehicles.

ACCEPTANCE

All products are checked for faults in the factory and packed in special boxes.

☞ However, we request that you check the vehicle for possible transport damage immediately on receipt – preferably in the presence of the carrier.

☞ The packaging of the Scooter should be stored for a further transport that might become necessary.

SPECIFICATIONS

The Scooter is an environment-friendly electric vehicle. The Scooter was developed to extend the mobility of persons with health-related or age-related restrictions.

The Scooter fulfils the demands of handicapped people according to EN 614-1.

The model has been assigned the 'Use Class C' as per the EN 12184 standard. The Scooter solely serves to transport one person sitting in the seat and not as a hauling aid, transporter or similar.

USE

The scooter is driven through the driving actuator that is integrated into the steering column.

The general capability of the driver to participate in traffic must be given.

Refrain from jerky starts with your Scooter. – Danger of tipping over or tilting!

Do not use the Scooter without a mounted seat!

Avoid driving on inclinations or slopes with insufficient surface condition.

The Scooter is applicable on level, firm surfaces and can be used as follows:

– Never expose the Scooter to extreme temperatures and damaging environmental conditions, such as sunlight or extreme cold.

You must not let yourself be carried in your wheelchair through the lifting of the wheelchair. Parts that are not securely fixed, e.g. seat, revetment parts, can become loose and thus cause an accident.

☞ The Scooter is an electronic vehicle and not a carrying device.

Only apply the Scooter within the scope of the specifications and limitation described in chapter *Technical data* on page 41.

ADJUSTMENT

Always have adaptation and adjustment work carried out by a specialist dealer.

The Scooter offers manifold adjustment possibilities to individual vital statistics. The Scooter should be adapted to your needs by a specialist dealer before the first use. The adaptation will take into account the driving experience, the physical limits of the user and the main place of use of the Scooter.

☞ We recommend a regular control if the Scooter adjustment in order to ensure a long-term optimal provision even with changing illness/handicap patterns of the user. Especially for children and juveniles an adjustment every 6 months is recommendable.

REINSTALLMENT

The Scooter is suited for reinstallment. Before reinstallment the Scooter is to undergo a complete inspection.

☞ Hygienical measures required for reinstallment are to be carried out according to a validated hygienic plan and must include disinfection.

LIFE SPAN

We expect an average life span of about 5 years for this product, as far as the product is applied for its designated purpose and all maintenance and service guidelines. The life span of your product depends upon the frequency of use, the application environment and care. The implementation of spare parts can prolong the life span of the product. As a rule spare parts are available up to 5 years after production is discontinued.

☞ The indicated lifespan does not constitute additional guarantee.

STATUTORY REGULATIONS

☞ The product is permitted for use in public traffic.

HIGH-FREQUENCY RADIATION

Our electric vehicles are conform with the corresponding requirements of the EG-directive 93/42 EWG for medical devices. Nevertheless Interferences from high frequency rays of other electric devices cannot generally be ruled out.
Despite tested protective measures on the electrical equipment of the vehicle, disturbances in the operation cannot be ruled out when driving through extreme electric Interferences. These are manifested in strange driving behaviour. If the electric vehicle reacts uncontrollably in such a case or if other electric devices (such as for example highly sensitive, electromagnetic devices such as antitheft units in shopping centres) are influenced by the vehicle, stop immediately and switch the electric vehicle off. Never drive the electric vehicle in the proximity of electronic medical equipment with a high danger potential and/or life-supporting function or in the proximity of diagnostic equipment.

OVERVIEW

Model: 1.254

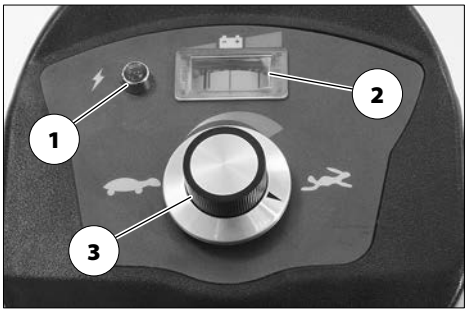
The overview shows the most important components and operating devices of the Scooter.

Pos. Description

(1) Head support
(2) Arm support
(3) Steering column
(4) Left indicator
(5) Seat
(6) Headlights
(7) Steering wheel
(8) Lever for seat depth adjustment
(9) Driving wheel
(10) Steering column with driving actuator
(11) Control panel
(12) Front basket
(13) Drive key
(14) Lever for seat lock
(15) Lever for back support adjustment
(16) Back light / Rear indicator
(17) Support castor
(18) Selection lever drive-/push mode

Operating module

The overview shows the operating controls of the operating module.

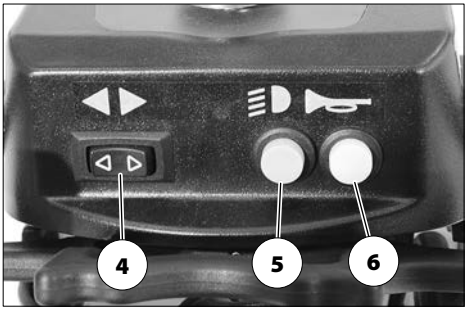


Pos. Description

(1) Status indicator
- Control gauge for operational readiness / error display.

(2) Battery voltage gauge

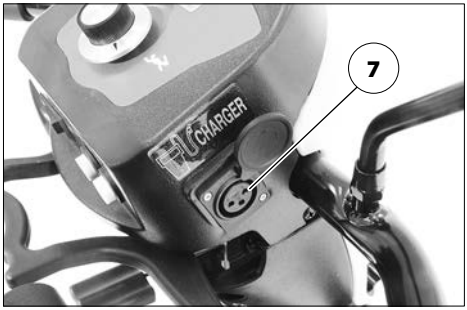
(3) Speed preselection
- Rabbit (highest selectable max. final speed)
- Turtle (lowest selectable max. final speed)



(4) Toggle switch turn signal left/right

(5) Lighting ON/OFF

(6) Horn
- When pressing this key a horn signal sounds.



(7) Battery charging socket
- The battery charging socket is protected by a cover plate that can be swivelled to the side.

(8) Hazard warning indicator ON/OFF

TIPS FOR ACCIDENT PREVENTION

Only transfer into or out of the seat when the Scooter is switched off and the selection lever drive-/push mode is in drive mode!

– An unintentional motion of the driving actuator could otherwise let the Scooter start uncontrolled! – Danger of accident!

First driving practice

☞ A low speed is to be selected on the control panel for first driving practice. Get accustomed in steps to the driving behaviour of the Scooter.

☞ Carry out a short braking and steering test at a very low speed immediately after the start of motion.

Safety information

☞ Curves and slopes are to be carried out at adapted speed. – Danger of overturning.

☞ There is a danger of tilting when driving backwards on ramps!

☞ The support castors can touch the ground while driving down, e.g. in front of the edge of an obstacle which can cause the drive wheels to lift off the ground. – The Scooter will the loose its *manoeuvrability*!

☞ Do not switch off the Scooter whilst it is in motion. The Scooter will then switch off and stop immediately.

☞ The driving behaviour can change by adding or removing accessories/components.

☞ Do not expose the Scooter to extreme weather.

☞ Temperature influence through lamps, sun and other sources of heat can damage the upholstery and revetment or heat it up so much, that it can cause burns when they come in contact with bare skin.

  ☞ Protect bare as well as heat sensitive skin accordingly.

☞ Mobile phones and other radio communication devices should, for safety reasons, only be used when the Scooter is switched off.

HANDLING OF THE SCOOTER

Securing the Scooter

The Scooter is to be secured as follows to prevent it from rolling off unintentionally:

1. Slide the selection lever for drive-/push mode toward the back into drive mode.

2. Pull out the drive key.

Functional checks

The functions and safety of the Scooter must be checked before the start of each journey.

Driving

You determine the speed and driving direction yourself when driving through the movement of the driving actuator and the maximum top speed setting of your scooter.

BRAKES

Brake the Scooter down carefully and in time. This is especially the case when driving in front of people and while driving downhill!

Service brake

The motor works electrically as an operating brake and decelerates the scooter softly and jerk-free to a standstill.

Braking down the Scooter

For allotted braking of the scooter slowly guide the driving actuator back to the centre position (zero-setting).

☞ The scooter stops after a shortest distance after releasing the driving actuator.

Braking distance

In delivery condition the braking distance is according to the maximum values of EN 12184:

– 1.0 m with 6 km/h.

The braking distance may get longer depending on the road conditions or the condition of the tyres.

Parking brake

The parking brakes are only effective when the selection lever drive-/push mode is set to drive mode. They disengage automatically when the wheelchair starts off.
The parking brakes are manually disengaged by switching the selection lever drive-/push mode to push mode.

Locking the brakes

It should not be possible to push the Scooter forward when the brakes are engaged.

Do not switch to push mode while driving on slopes.

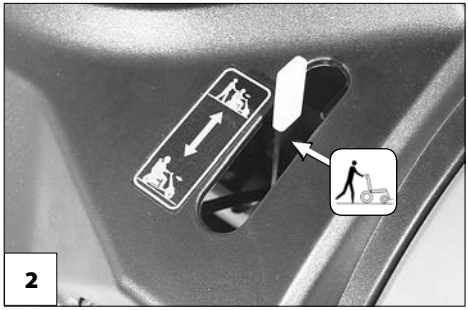
To engage the brakes slide the selection lever drive-/push mode slightly inward and as far as possible toward the back into drive mode [1].

☞ Activation of the selection lever is intended for an accompanying person.

Releasing the brakes

To disengage the brakes slide the selection lever drive-/push mode slightly inward and as far as possible toward the front into push mode [2].

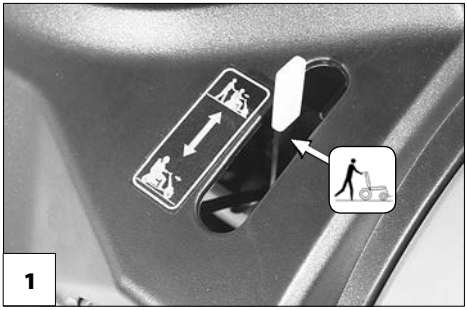
☞ Activation of the selection lever is intended for an accompanying person.



DRIVE-/PUSH MODE

Only switch the Scooter to push mode when it is standing still for positioning or in case of emergencies, but not on slopes/hills.

After push mode do not forget to switch the drive back to drive mode. Danger of uncontrolled Scooter movement if you do not do this!



Selecting the push mode

1. Switch off the operating module because the pushing will otherwise be made difficult by the electric system.
   ☞ Therefore observe chapter *Operating module-functions* on page 16.
2. Disengage the brakes [1].
   ☞ Therefore observe chapter *Releasing the brakes* on page 13.
   ☞ The Scooter can now be pushed.

Selecting the motor mode

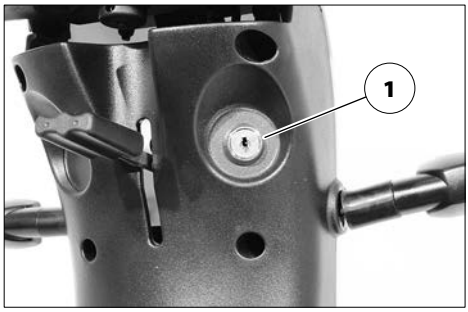
1. Activate the brakes [2].
   ☞ Therefore observe chapter *Locking the brakes* on page 13.
2. Switch the operating module on.
   ☞ Therefore observe chapter *Operating module-functions* on page 16.
   ☞ The Scooter is now ready for use again.

DRIVING LOCK

(1) Driving lock

(2) Key position 0 (OFF)

(3) Key position 90° (ON)



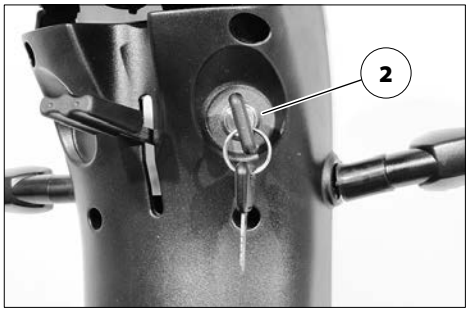
DRIVE KEY

Position OFF

The driving key is inserted as far as possible into the driving key socket (2).

– For switching off turn the driving key from the position (3) as far as possible counter clockwise (2).

☞ The Scooter is switched off.

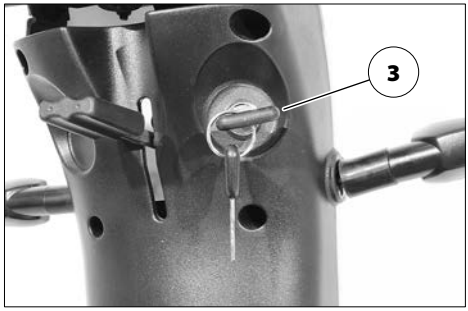


Position ON

The driving key is inserted as far as possible into the driving key socket (2).

– For switching on turn the driving key from position (2) clockwise by 90° (3).

☞ The drive mode is enabled.



Locking the Scooter

In order to secure the Scooter against unpermitted or unwanted use, switch off the Scooter and pull out the driving key (1).

☞ The selection lever drive/push mode is in drive mode position.

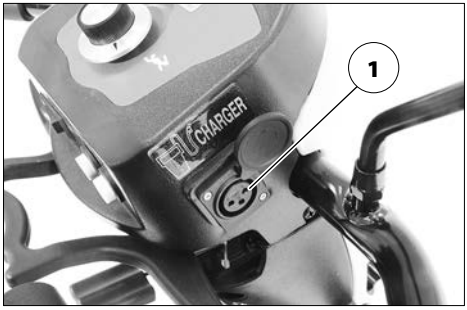
– For this observe chapter *Drive-/push mode* on page 14.

OPERATING MODULE-FUNCTIONS

Battery charging socket

Do not insert other objects into the battery charging socket. – Danger of short circuit!

To charge the batteries first switch off the operating module. Then insert the plug of the battery charger into the charging socket (1) on the front of the operating module.



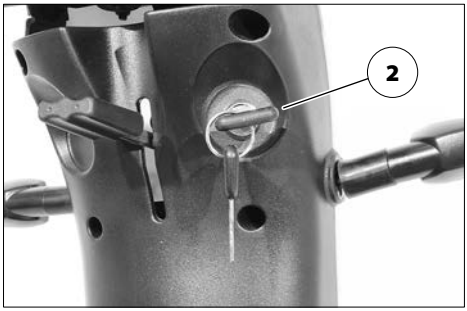
Switching on the Scooter

Do not move the driving actuator during the system test.

To switch the scooter on turn the driving key 90° clockwise (2).

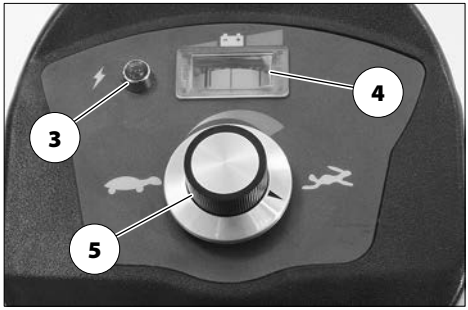
– The electronic system now performs a system test.

☞ The scooter is ready when the control gauge (3) is permanently lit.



Battery voltage

The battery indicator displays the battery voltage after the system test performed by the electronic system after the operating module has been switched on (4).
With reducing battery voltage the display needle reaches less towards the right.



Battery gauge

The battery gauge (4) displays the existing battery voltage as follows:

The colours mean:

Green	Batteries charged
	☞ The charging condition corresponds to a display of 0 - 100%.
Yellow	Recharging recommended.
Red	Recharge batteries immediately.

☞ An accurate battery indication is only given during travel on a level surface.

☞ Uphill/downhill travel falsifies the indication.

Evaluation

The exactness of the battery gauge depends for example on the temperature, age and strain on the battery is therefore subject to certain restrictions.

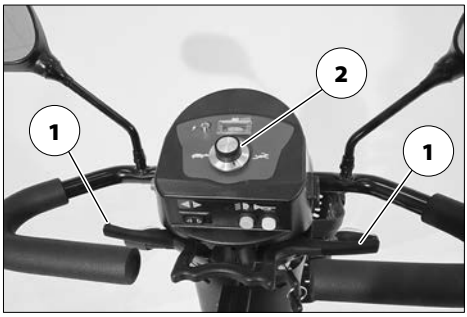
The kilometric performance (range) of the Scooter should be tested at least once.

Preselected final speed

Danger of accident due to unsuitable setting of the preselected speed!

Drive especially carefully during the first journeys!

The speed is defined by motion of the actuator (1) as well as the preselected final speed through the turning knob (2).



Preselecting the final speed

When switching on the Scooter the set speed is preselected.

The final speed is adjusted continuously through the turning knob (2) (also during driving).

Increasing clockwise turns of the knob increase the maximum final speed accordingly from slow (symbol turtle) to fast (symbol rabbit).

Select a low maximum speed for driving situations in which you do not feel confident/safe (e.g. driving in confined spaces, or similar).

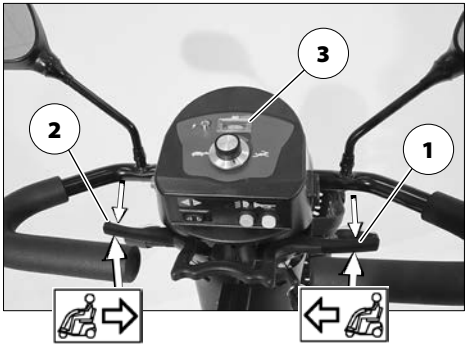
- ☞ The final speed is to be preselected in dependence on the personal impression of the respective driving situation!
- ☞ When driving on ramps, hills or slopes the speed is to be adjusted to the inclination appropriately. Never exceed the permitted max speed. – Danger of accident!

Actuator

Only move the driving actuator when the battery gauge (3) is permanently lit.

The driving speed is determined through motion of the actuator (1) while driving.

As soon as the actuator is moved the Scooter, depending on the adjustment maximum final speed, starts driving fast or slow.



Forward driving speed

Move the right side of the driving actuator lever (1) slowly in the direction of he arrow until you reach the desired driving speed.

Backwards driving speed

Move the left side of the driving actuator lever (2) slowly in the direction of the arrow.

☞ The final speed is reduced automatically during rearward travel.

Left/right turns

In order to drive curves, move the steering column to the right or left with the handles, depending on the desired curve radius.

Braking down the Scooter

The scooter stops when you let go of the driving actuator.
For allotted braking slowly guide the driving actuator back to the centre position (zero-setting).

SELECTING THE OPERATION

In order to obtain operational readiness of the Scooter the following directions are to be carried out in the indicated order.

1. Charge the drive batteries via the operating module before the first journey (1).

☞ Therefore observe chapter *Recharging batteries* on page 21.

2. Switch the drive motors to the drive mode [2]. – For this engage the brakes.

   ☞ Observe chapter *Locking the brakes* on page 13.

3. Check the position of he steering column.

   In order to position the steering column, press the adjustment lever (3) upward.

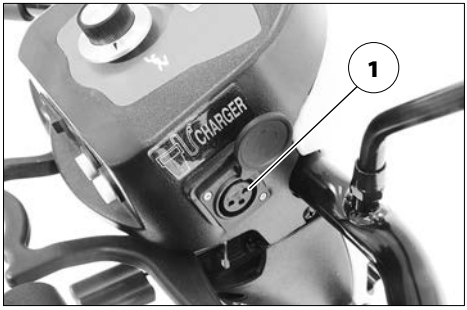
   ☞ The steering column is to be positioned so that the scooter can be steered comfortably and safely.

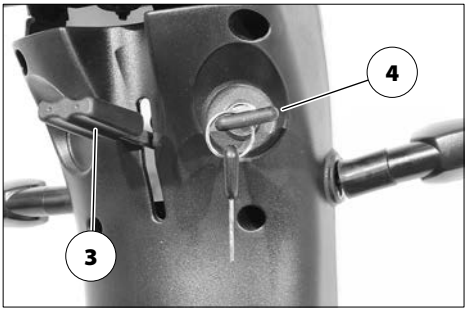
4. Switching on the Scooter

☞ Do not insert objects, other than the driving key, resp. the battery charging plug into the corresponding sockets. – Danger of short circuit!

To switch the scooter on turn the driving key 90° clockwise (4).

☞ The scooter is ready when the status gauge is permanently lit.





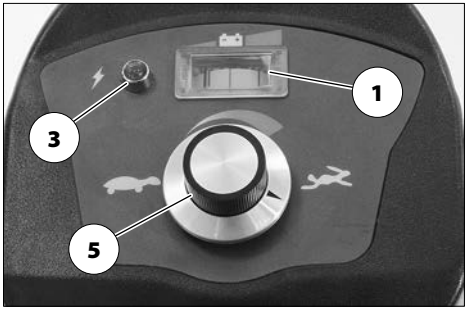
PRE-OPERATION CHECKS

Before starting to drive, the following should be checked:

1. The battery charging condition (1)

2. The preselected setting of the pre-selectable final speed (5).

   ☞ Therefore observe chapter *Preselected final speed* on page 18.



Battery charging condition

After activation the battery gauge (1) shows the battery charging condition. The needle of the battery gauge moves left to the beginning of the red display when the battery capacity lessens.

☞ The displayed value depends on the surrounding temperature, the age of the battery as well as their type of strain and is therefore to be observed with limitations.

☞ If the red light segment of the battery gauge is blinking, the batteries should be charged immediately.

☞ Therefore observe chapter *Fault correction* on page 36.

☞ View chapter *Battery voltage* on page 17.

Recharging batteries

Solely use a charger that corresponds to the type of battery!

The batteries should be charged right after the daily use of the Scooter so that the complete driving performance is available the next day.

Every battery is subject to a regular "self-discharge". The batteries should be recharged once a month when the Scooter is not used for a long period of time. The Scooter will then always stay ready for use.

☞ Charge preferably during the night. A complete charge of the batteries requires about 8 hours.

Batteries should only be charged with a battery charger that is suitable for the type and rating of this battery. The guarantee is only preserved to its full extent when the supplied and recommended battery charger is used.

☞ Avoid spark build up through electrical static (for example caused by synthetic floor covers).

☞ Observe the operating manual of the charger.

Battery charging procedure

Do not insert any objects other than the battery charger plug into the battery charging socket. – Danger of short circuit!

☞ For the battery charging procedure also observe the operating manual of the battery charger.

1. Securing the Scooter.

   ☞ Therefore observe chapter *Securing the Scooter* on page 12.

2. Insert the charger plug into the battery charging socket (1) of the operating module.

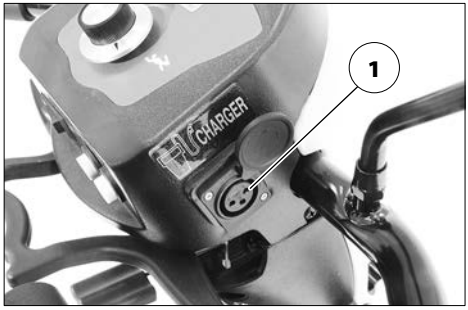
3. Switch the battery charger on, resp. insert the main plug of the battery charger into the corresponding power socket.

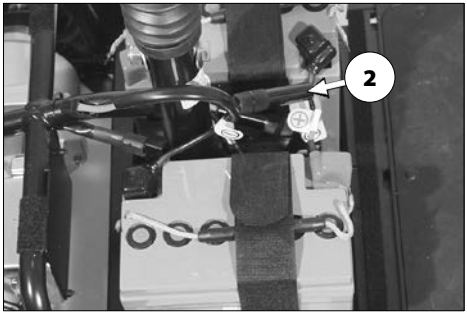
   – The battery charging procedure is initiated.

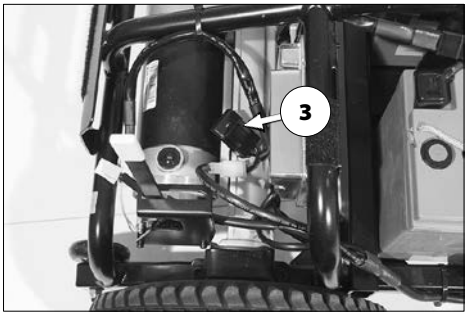
☞ The charging procedure can only occur with an inserted battery fuse (2) as well as an intact main fuse (3).

   ☞ Therefore observe chapter *Fuses* on page 35.

4. After a completed charging procedure disconnect the battery charger from the socket and remove the battery charging plug from the battery charging socket.







SEAT

The seat [1] with padded arm supports is removable as well as height adjustable.

Turning the seat

The seat can be turned for an easier transfer to or from the seat [2].

After activating the release lever (4) the seat can be turned.

☞ After each 45° step the seat locking device engages automatically.

Removing the seat

Grab sideways under the seat surface in order to lift the seat.

Do not use the arm supports to lift or carry the Scooter.

After activating the locking lever (4) the seat can be lifted (3).

Attaching the seat

Grab sideways under the seat surface in order to lift the seat.

After activating the locking lever (2) the seat can be inserted into the seat tube.

After inserting the seat align it into driving direction and let the locking lever lock into place.

☞ Check the locking device of the seat.

Adjustment of the seat height

Have the adjustment of the seat height conducted by an authorised specialist workshop.

Adjusting the distance seat to tiller

After activating the front locking lever (3) the distance of the seat from the steering column can be adjusted.

☞ After adjusting the distance of the seat let the locking lever snap into place again.

☞ Check the locking device of the seat.

Back support

The back support can be swivelled backward in several steps [1] or lowered forward onto the seat surface [2].

☞ For adjusting the back support press the lever of the back support adjustment (3) down.
After the adjustment let the back support lock into place.

For raising, swivel the back support up [4].

ARM SUPPORTS

Swivel up the arm supports

The arm supports can be swivelled up for an easier transfer to/from the seat [1].

Adjusting the arm support angle

The can of the arm support is continuously adjustable by adjusting the stopper screw (2).

Remove the arm support

To remove the arm support [3] screw back the locking screw (4) rather far.

☞ When the locking device is released, the arm support can be removed toward the outside [3].

Insert and position the arm support

For inserting and positioning, insert the arm support into the desired position.

The tighten the locking screw (4).

Adjusting the height of the arm supports

The height of the arm supports can be steplessly adjusted after loosening the respective clamping screw (1).

☞ Maximally lift the arm support upward up to the marker.

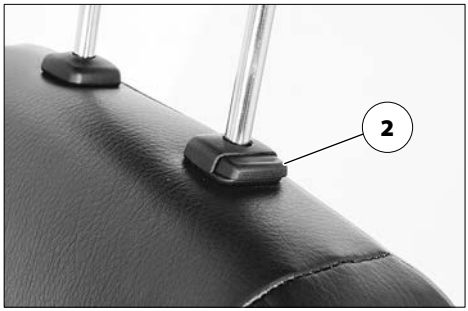
☞ After the height adjustment retighten the clamping screw (1).

Adjusting the headrest height

After activating the locking spring (2) the height of the head support can be adjusted.

☞ After adjusting the height of the head support release the locking spring (2) and let the head support engage into the next possible position by sliding it up or down.

☞ Check the locking device.



Reducing the size of the Scooter

For storage or the transport, e.g. in a car, the size of the Scooter can be reduced as follows [1].

1. Locking the Scooter.

☞ For this observe chapter *Securing the Scooter* on page 12.

2. Remove the seat [1].

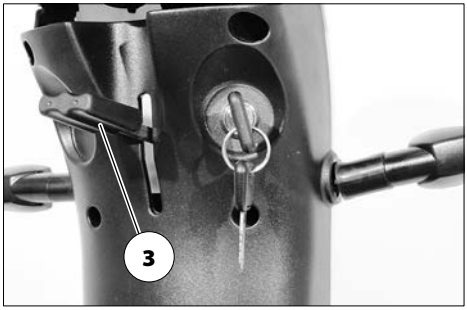
☞ Therefore observe chapter *Seat* on page 23.

3. Remove the front basket.

4. Folding down the steering column [2].

☞ Press the adjustment lever of the steering column adjustment (3) upward.

The parts detached for the transport must be carefully stowed and carefully attached again before the next journey!



FRONT BASKET

The front basket [1] can be lifted off upwards [1].

For attachment the front basket is placed onto the two brackets (2) [3].

SEATBASKET (OPTION)

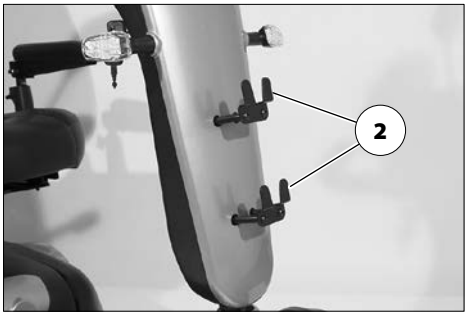
With increasing weight inside the basket, the risk of tilting backwards increases.

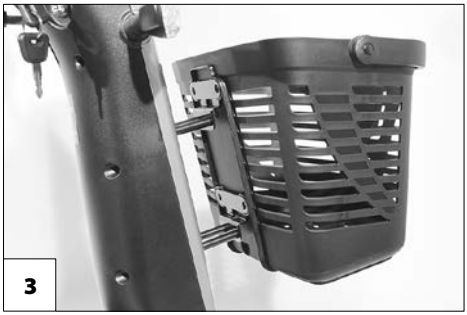
Do not place valuable items such as wallets openly inside the basket. - Unwanted loss of valuable items.

The basket [4] can be lifted off towards the top.

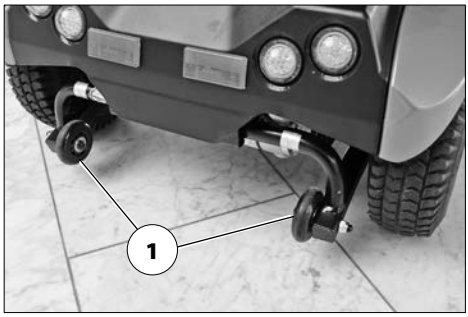
For attachment place the basket onto the two brackets.

The maximum load of the basket is 5 kg.





SUPPORT CASTORS



The support castors (1) increase the stability against tipping over to the rear when crossing an obstacle or driving on a rising gradient.

☞ Support castors do not provide sufficient protection against tipping over in certain situations.

BATTERIES

Stillstand for more than four months

In case of a stillstand of the Scooter, *of more than four months*, corresponding maintenance jobs need to be carried out.

1. Pull fuse in order to interrupt the power supply.
2. Connect the charger every six weeks and charge the batteries.

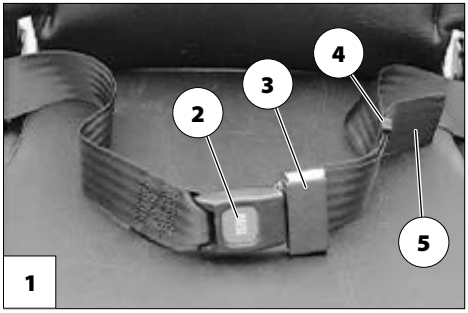
RETAINING STRAP

The retrospective assembly of a retaining strap is only to be carried out by a specialist workshop!

The retaining strap [1] serves to stabilise the sitting position of a person sitting in the scooter.

– Prevents the user from slipping forwards out of the seat (e.g. during abrupt braking).

The retaining strap is screwed from the bottom onto the seat.



Fastening the retaining strap

Make sure that no objects are trapped between belt and the body! – Thus you avoid painful pressure points.

Pull both belt halves to the front and slide the catch halves together so that they latch together [1].

☞ Afterwards conduct a pulling test.

Opening the retaining strap

To open the retaining strap press the red unlocking knob (2) inside the buckle.

Adjustment of belt length

☞ The retaining strap should not be pulled too tight.

Push or pull the strap (5) in the respective direction in order to extend or shorten the strap.

☞ Therefore hold the lock part or buckle (3) at a right angle to the strap.

Fasten excessive strap by repositioning the plastic slider (4).

MAINTENANCE

An incorrect or neglected cleaning and maintenance results in a limitation of the product liability.

Maintenance

The following maintenance Instruction gives you a guide for carrying out the maintenance work.

☞ They do not give information about the actual extent of work required on the vehicle.

Maintenance schedule

WHEN	WHAT	REMARK
Before starting out	**General** Test for faultless operation.	Carry out test yourself or with a helper.
	Checking the magnetic brake Switch the selection lever drive- / push mode to drive mode.	Carry out test yourself or with a helper. If the Scooter can be pushed, have the brakes repaired immediately by the specialist workshop. – Danger of accident!
Every 2 weeks (depending on distance covered)	**Adjustment screws** Screws and nuts are to be checked for tight fit.	Carry out test yourself or with a helper. Retighten the loosened adjustment screws. Contact specialist workshop upon demand.
Every 2 months (depending on distance covered)	**Check the wheels**	Carry out a visual check yourself or with a helper. If the tyre profile is worn down or if the wheel is damaged, consult a specialist workshop for repairs.
Every 6 months (depending on frequency of use)	**Check** – Cleanness. – General condition.	View chapter *Service* on page 37. Do it yourself or with the aid of a helper.
Every 6 -8 months (depending on distance covered)	**Wheel attachments** Wheel nuts or screws are to be checked for tight fit	Do it yourself or with the aid of a helper. Securely tighten any loosened wheel nuts or screws and retighten again after 10 operating hours or resp. 50 km. Contact specialist workshop upon demand.

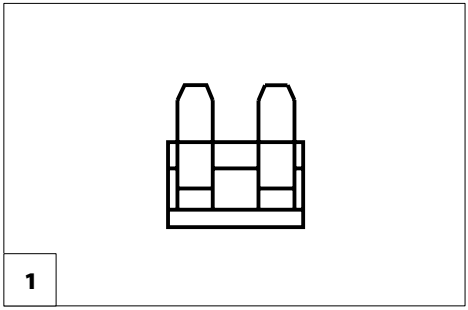
WHEN	WHAT	REMARK
Manufacturer recommendation: **Every 12 months** (depending on frequency of use)	**Maintenance jobs** – Vehicle – Battery charger	To be carried out by the specialist dealer.

Wheels

Damaged wheels are to be replaced immediately through new wheels by a specialist dealer.

☞ Always replace wheels in pairs.

Two differently worn wheels will impair the straight running course of the Scooter.



Fuses

Only replace the safety fuse with a safety fuse of the same type!

Replacing the fuses

Before replacing fuses, park the Scooter on a level surface and secure it from rolling away.

☞ Therefore observe chapter *Securing the Scooter* on page 12.

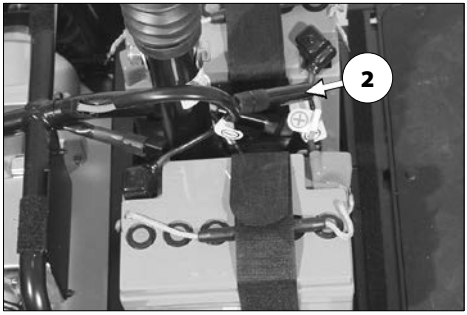
New fuses can be obtained for example at petrol stations.

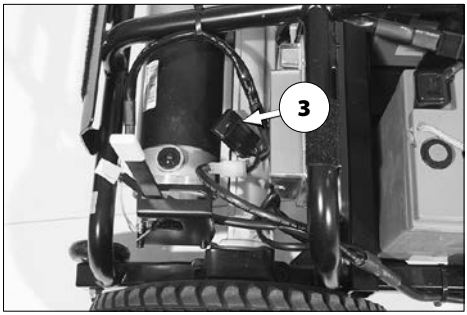
☞ If the safety fuse blows again or other functional errors have the fault repaired by a specialist dealer.

☞ Observe chapter *Technical data* on page 41!

The glass tube fuse for the battery current is inserted inside the fuse holder (2) underneath the rear revetment.

The blade type fuse [1] for the control cable is inserted inside the fuse holder (3) underneath the rear revetment.





Fault correction

Fault	Cause	Remedy
Battery indicator on the operating module does not light up after the switch-on.	Main fuse is defective.	Replace the blade-type fuse. If necessary have it repaired by the specialist workshop
	Battery fuse defective	Have the battery fuse replaced in a specialist workshop
	Operating module defective	Have it repaired by the specialist workshop
	Plug connection of the power supply without contact.	Check the plug connections.
	Batteries deep discharged.	Have it repaired by the specialist workshop.
The battery gauge blinks after the switch-on.	The selection lever drive-/ push mode is set to push mode.	Swivel the selection lever drive- / push mode to drive mode.
	The selection lever drive-/ push mode was moved too early.	Switch the Scooter off and on again if this happens.
	Plug connection at one of the drives without contact.	Check the plug connections.
	Malfunction in the electronics.	Have it repaired by the specialist workshop.
	Not listed faults.	Have it repaired by the specialist workshop.

SERVICE

Cleaning and maintenance

Do not clean the Scooter with a high-pressure cleaner! – Danger of short circuit!

Silicone free water based cleaning agents and care products should be used for the care of the vehicle.

☞ In doing so the manufacturers instructions are to be observed.

Do not use aggressive cleaning agents e.g. solvents, or hard brushes etc.

Upholstery and covers

☞ Clean the upholstery with warm water and hand washing liquid.

☞ Remove spots with a sponge or a soft brush.

– Wash off persistent dirt with commercial fine detergent.

☞ Do not soak! Do not machine wash!

Follow-up with clean water and allow to dry.

Plastic parts

The plastic panelling is attacked through non-ionic tensides as well as solvents and especially alcohol.

The plastic panels and parts are made of high-quality plastic.

Only clean the plastic parts with warm water and neutral detergent or soft soap.

When using commercial plastic cleansers the manufacturers application instructions are to be observed.

Finish

The high quality finish ensures an optimum of protection against corrosion.

Should the coating be damaged with scratches or similar, these areas can be touched up with our paint pen available at the specialist dealer.

Slight lubrication of moving parts will ensure for their long functioning.

Disinfection

If the product is used by more than one person (for example in a care centre), the use of a commercial disinfectant is mandatory.

Before disinfection the upholstery and operating module are to be cleaned.

A spray- or wiping disinfection is permitted with tested and accredited disinfectants.

☞ In doing so the manufacturers instructions are to be observed.

A list of the disinfectants and disinfection means tested and approved by the Robert Koch Institute can be found under:

< *http://www.rki.de* >.

During the use of disinfectants it can happen that surfaces might be affected in such a fashion that the long term functionality of parts can be limited.

Reinstallment

Before reinstallment the Scooter is to undergo a complete inspection.

☞ The hygienic measures required for reinstallment are to be carried out in correspondence with the validated hygienic plan.

Should your specialist dealer carry out a revision/reconditioning or make fundamental changes to your vehicle, without the use of original spare parts, this under certain conditions may result in a remarketing of your Scooter. This will further entail that your specialist dealer might need to conduct new conformity assessments and tests.

Repairs

Trustfully contact your local specialist dealer of another specialist workshop for carrying out repairs. They are briefed in carrying out the work and have educated personnel.

Customer Service

In case you have questions or require help, please contact your local specialist dealer, who will provide counselling, customer service and repairs.

Spare parts

Safety relevant parts or assembly groups are only to be assembled in a specialist workshop. – Danger of accident!

Spare parts can only be ordered from specialist dealers. In case of repair work, only original spare parts are to be used!

☞ Spare parts from other manufacturers can cause malfunctions.

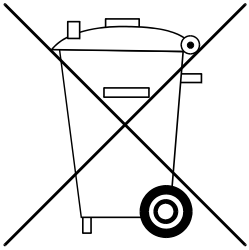
A list of spare parts with the according part numbers and drawings is kept by your specialist dealer.

In order to ensure the correct delivery of a spare part, always quote the corresponding serial number (SN) of the vehicle! You will find this on the type plate.

Whenever changes/modifications are carried out on the vehicle by the specialist dealer, the supplementary information, e.g. assembly/operating instructions must be attached to the operating manual of the vehicle, the date of the modification must be recorded and stated when ordering spare parts.

This should prevent wrong order details on future spare parts orders.

Disposal



The disposal must comply with the respective national law.

Please enquire about local disposal arrangements at your municipal authority.

Information for the specialist dealer

A maintenance and service manual is available upon demand, in which you can for example find the following information:

1. Adjustments that can be carried out with tools.
2. Step by step explanations to important repairs.
3. Information on model specific amendments.
4. A checklist for the annual inspection.

The functional tests necessary for the inspection are listed in the check list.

They are a guide for the performance of the inspection work.

☞ It does not outline the actual scope of the necessary work which can only be ascertained by an inspection of the vehicle.

After the successful completion of an annual inspection the inspection certificate should be recorded in the operating manual.

A draft for further inspection certificates can be copied from the maintenance and service manual when required. It then has to be added to the operating manual.

Programming the driving behaviour

The driving behaviour of the Scooter can be adjusted through the programming device.

☞ Therefore observe the respective < Maintenance and service manual >.

The driving features of the Scooter should be adjusted to the individual requirements and the learning process of the respective user at regular intervals.

☞ The programming must be specially tailored to the user. The capacity of reaction, the constitution as well as physical and psychical abilities are to be considered. A talk with the doctor or therapist can be very helpful.

☞ Any change to the manufacturer set programming may result in an increased danger of accidents.

☞ Possible danger of tilting in curves.

TECHNICAL DATA

Maximum range

The maximum range depends to a large extent on the following factors:

- battery condition,
- weight of the driver,
- driving speed,
- driving style,
- road surface condition,
- driving conditions,
- ambient temperature.

The nominal values given by us are realistic under the following conditions:

- Ambient temperature of 27 °C.
- 100 % rated drive battery capacity as per the DIN standard.
- new condition of the drive batteries with more than 5 charging cycles.
- Nominal load of 100 kg.
- Without repeated acceleration.
- Level, firm driving surface.

The maximum range is greatly reduced by:

- frequent driving upwards on ramps,
- insufficient charging condition of the drive batteries,
- low ambient temperature,
- frequent starts and stops (e. g. in shopping malls),
- aged, sulphated drive batteries,
- frequently necessary steering manoeuvres,
- reduced driving speed (especially at walking speed).

In practical use, the maximum range under 'normal conditions' is then reduced to approx. 80 – 40 % of the nominal value.

Hill climbing ability

Gradients in excess of the permitted values (e.g. ramps) should for safety reasons only be driven when the wheelchair is empty!

Values acc. to ISO 7176-15 for model 1.254

	min	max
Overall length (without basket)	1200 mm	1200 mm
Overall width	610 mm	610 mm
Overall dimensions	86 kg	86 kg
User weight (incl. additional load)	136 kg	136 kg
Weight of the heaviest part	49 kg	149 kg
Actual seat depth	410 mm	410 mm
Actual seat width	450 mm	670 mm
Seat surface height at front edge (without cushion)	660 mm	660 mm
Seat angle	4.8°	4.8°
Back support angle	45°	45°
Back support height	450 mm	450 mm
Footplate to seat (lower shank length)	520 mm	520 mm
Static stability downhill	9°	9°
Static stability uphill	9°	9°
Static stability lateral	9°	9°
Dynamic stability uphill	6°	6°
Arm support height from seat surface	160 mm	240 mm
Back support to front edge of arm support	300 mm	500 mm
Obstacle height	60 mm	60 mm
Minimal turning radius	1500 mm	1500 mm
Max. forward top speed	6 km/h	8 km/h
Minimum breaking distance from top speed	1000 mm	1000 mm
Maximum range with lead batteries	– km	30 km

Further technical data for model 1.254

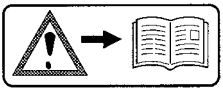
	min	max
Sound level		70 dB(A)
Protection class		IP X4
Turning area	3200 mm	3200 mm
Drive controller		24 V / 70 A
Engine output (6 km/h)	210 W	210 W
Glass tube fuse for the main current		2 x 40 A
Blade type fuse for the control current		7.5 A
Additional load	3 kg	3 kg
Permitted axle load front	79 kg	79 kg
Permitted axle load rear	159 kg	159 kg
Ground clearance		100 mm
Empty weight (with battery pack)	– kg	91.5 kg
Empty weight (without battery pack)	– kg	70.0 kg
Overall height	1110 mm	1110 mm

Transport dimensions		
Length	1200 mm	1200 mm
Width (without arm supports)	610 mm	610 mm
Height without arm supports	1000 mm	1000 mm

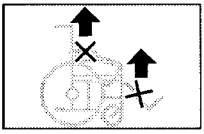
Climatic data	
Ambient temperature	-25 °C to +50 °C
Storage temperature with drive batteries	-25 °C to +50 °C
Storage temperature without drive batteries	-40 °C to +65 °C

	min	max
Steering wheel		
3.00-4 (10“)		pneumatic tyres, max. 3.5 bar
Driving wheel		
3.00-4 (10“)		pneumatic tyres, max. 3.5 bar
Drive batteries		
2 x 12 V 28.1 Ah (5 h) / 35 Ah (20 h)		maintenance free
Max. battery dimensions (LxWxH)		195 x 130 x 170 mm
Charging current, charger Type: HP1211B2		4 A

Meaning of the labels on the Scooter



Attention!
Read the operating manuals and other provided documentation.



Do not lift the Scooter at the arm supports or leg supports. Removable parts are not suitable for carrying.

Drive mode

Push mode

Push only on level surfaces.

The product is **not** approved as a seat within a motor vehicle.

Meaning of the symbols on the type plate

Manufacturer

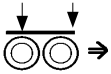
Order number

Serial number

Production date (Year – Calendar week)

Permitted user weight

max. permissible total weight



Permitted axle weights

Max. permissible rising gradient

Max. permissible falling gradient

max. ... km/h Permitted maximum speed

The product is approved as a seat within a motor vehicle

Max. permitted user weight if the product is approved as a seat within a motor vehicle

The product is **not** approved as a seat within a motor vehicle.

INSPECTION CERTIFICATE

Vehicle data:

Model:

Delivery note no.:

Serial-no.(SN):

Recommended safety inspection 1st year (at least every 12 months)

Stamp of specialist dealer:

Signature: _____

Place, date: _____

_____

Next safety inspection in 12 months

Date: _____

Recommended safety inspection 2nd year (at least every 12 months)

Stamp of specialist dealer:

Signature: _____

Place, date: _____

_____

Next safety inspection in 12 months

Date: _____

Recommended safety inspection 3rd year (at least every 12 months)

Stamp of specialist dealer:

Signature: _____

Place, date: _____

_____

Next safety inspection in 12 months

Date: _____

Recommended safety inspection 4th year (at least every 12 months)

Stamp of specialist dealer:

Signature: _____

Place, date: _____

_____

Next safety inspection in 12 months

Date: _____

Recommended safety inspection 5th year (at least every 12 months)

Stamp of specialist dealer:

Signature: _____

Place, date: _____

_____

Next safety inspection in 12 months

Date: _____

WARRANTY / GUARANTEE

We accept legal liability for this product within the scope of or general terms and conditions and warranty and in certain cases other verbal resp. agreed upon guarantees. For warranty and guarantee demands please contact your specialist dealer with following Warranty/Guarantee section and the there included information on model description, delivery note number with delivery date and serial number (SN).

The serial number (SN) can be read off of the type plate.

Precondition for the acceptance of liability in any case is the intended use of the product, the use of original spare parts by authorised dealers as well as maintenance and inspections in regular intervals.

Guaranty is not granted for surface damages, tyres of the wheels, damages due to loosened screws or nuts as well as worn out attachment holes due to frequent assembly work.

Furthermore, damage to the drive and electronics caused by improper cleaning using steam cleaning equipment or the deliberate or accidental flooding of the components are also excluded.

Interferences through radiation sources such as mobile phones with high transmission power, HiFi-equipment and other extreme interference radiators outside of norm specifications cannot be declared as warranty or guarantee claims.

Attention:

! Failure to observe the instructions in the operating manual, improperly carried out maintenance work and, especially, technical changes and additions (add-ons) carried out without our prior consent will lead to a general loss of guarantee and product liability.

☞ **Note:**
This operating manual as a part of the product is to be handed out in case of a change of owner.

We reserve the right to make technical improvements.

CE The product conforms with the EC Directive 93/42/EEC (MDD) for medical products.

Warrantee / Guarantee section

Please fill out! Copy if necessary and send the copy to the specialist dealer.

Warranty / Guarantee

Model designation:

Delivery note no.:

SN (view type plate):

Date of delivery:

Stamp of the specialist dealer:

Inspection certificate for transfer

Vehicle data:

Serial-no.(SN):

Model:

Delivery note no.:

Stamp of specialist dealer:

Signature: _____

Place, date: _____

Next safety inspection in 12 months

Date: _____

NOTES

NOTES

Your specialist dealer

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MEYRA 205 346 001 (Status: 2018-06)