



TR 9650

Accessories for Mobile Bath Lift System

Hygiene Equipment
Designed for People

TR1650 incl. MHS-2800 Lift weighing kit



TR reserves the right to make design changes and/or improvements without notice.



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Introduction

Dear Customer,

Thank you for choosing the TR1650 incl. MHS-2800 Lift weighing kit from Charder Electronic for the TR9650.

This manual shall, in conjunction with staff training, ensure that the operator/user is always using and/or operating the TR1650 incl. MHS-2800 Lift weighing kit correctly.

TR requires that each user has read and understands the entire manual and that they can apply the instructions as specified. This applies to anyone who was not present at the in-service.

This instruction manual should generally be kept easily accessible for every user. Copying the whole manual is encouraged since its sole purpose is to improve the standard of training and safety.

Please order another copy from us if the instruction manual is lost or unusable, or if it has become illegible over time.

If you require further information or have any questions please do not hesitate to contact TR or ask one of our qualified partners.

Please make sure you have read, understood and applied the information on the following pages.





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Intended Use, Product Description and Technical Specifications

Intended use:

TR1650 including MHS-2800 Lift weighing kit fits all TR9650 Mod.12 lifts.

The device lets you maintain regular patients weight records with no increase in staff workload or time, no added stress or inconvenience for patients. This accurate, easy to use scale gives you even greater productivity from your patient transfer system and the people who operate it.

The patient is typically a person who is unable to take care of their own personal hygiene.

The device is not intended to be used with patients that exceed a weight of 150 kg.

The user is any adult person who is capable of reading and understanding the operating manual and is qualified to care for dependent persons/patients.

Before using the device, the user must read and understand this manual. The device is intended to be used indoors in all types of care facilities and private homes, including hygiene areas.

Product Description:

Product	Description	Art.No:
MHS-2800 Lift weighing kit	Digital scale	05410560

Technical Specifications

Maximum Patient weight	150Kg / 330lbs	<p>Important!</p> <p>-Please observe that all test results mentioned in enclosed User Manual and protocols are valid only for the Lift weighing kit MHS-2800.</p> <p>-The results are not valid for the TR1650 including the MHS-2800 Lift weighing kit mounted onto the TR9650 Mobile bath lift.</p> <p>-Please note that all functions and accessories in enclosed Charder manual are not applicable for the TR1650 including the MHS-2800 Lift weighing kit.</p>
Power	6pcs x AA size batteries	
Load Cells	Lift Weighing Kit MHS-2800 including display and load cells fulfills OIML Class III standard. TR1650 including MHS-2800 mounted onto the lift doesn't fulfill OIML Class III standard.	
Weight unit	Kg	
Operating temperature & Humidity	5 °C - 35 °C 15% - 85% RH	
Transport and storage temperature & Humidity	-20 °C - + 60 °C 10% - 95% RH	
LCD Display	1,4 Inch LCD display with 5 digits	
Compability	All TR9650 lifts, Mod.12	



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Safety and Control Instructions

If you have a question regarding the operation or maintenance of your TR1650 scale with Lift weighing kit MHS-2800 and cannot find the answer in this manual contact your TR representative.

- Only qualified staff, who understand all operating and safety procedures may operate the device.
- This device is designed for indoor use only.
- All castors must be securley locked before transferring the customer onto the lift for weighing.
- The TR9650 lift shall always be placed on a hard and flat surface.
- For accurate weighing result the patient must be placed in the middle of the chair or stretcher.
- When weighing the patient, do not let the patient sit on the stretcher side parts.
- When weighing the patient, do not touch the patient, chair or stretcher. It will affect the weighing result.
- The patients feet can not be in contact with the floor or the legs of the lift during the weighing procedure. It will affect the result.
- Never leave the patient unattended.
- Keep the AA batteries away from children.





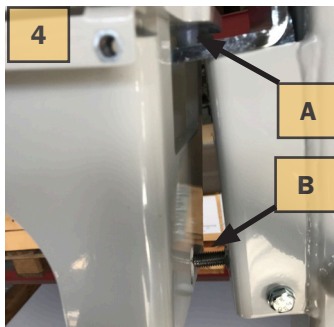
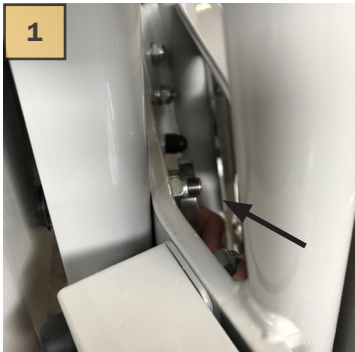
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Features and controls for the Scale

How to mount the scale onto the lift:



1. Remove the seat by loosen the nut behind the seat.
2. Before you can lift the scale over the column, loosen the lower metal cover by unscrewing the four screws on the sides (two screws on each side of the cover).
3. Gently lift the scale over the column.
4. Place the guide pin (A) on the into the hole on the Lifts auto stop mechanism. Tilt the seat to make it fit on the M10 bolt (B) on the autostop mechanism.
5. Attach enclosed M10 washer and nut on the bolt to fasten the scale.
6. Fasten the lower metal cover again by fasten the four screws on the sides (two screws on each side of the cover).

Now you can mount the seat back onto the lift.



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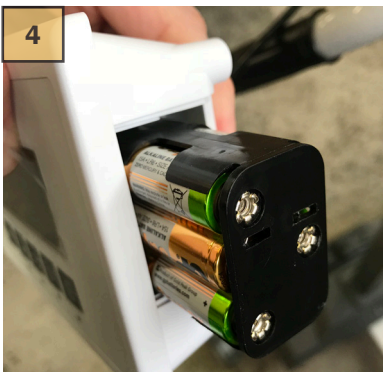
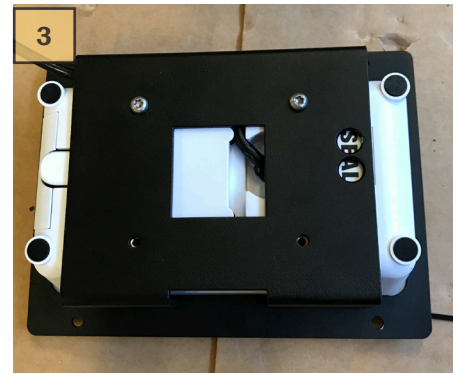
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Features and controls for the scale

How to replace the batteries:



1. Unscrew the four screws holding the display.
2. Remove the display from the cover.
3. Loosen the screws on the rear bracket.
4. Open the battery hatch and remove the battery pack.
- Replace the batteries.

Recycling:

Always deposit replaced batteries in accordance with local regulations



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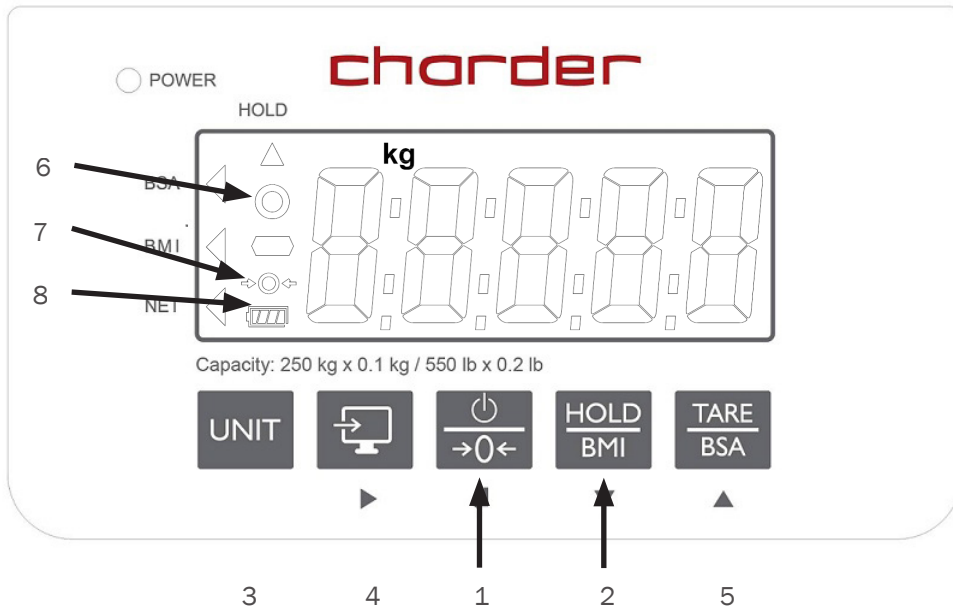
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Features and Controls for the Scale

Display



Position	Description
1	ON/OFF and ZERO Button
2	HOLD Button
3	N/A
4	N/A
5	N/A
6	Stability sign
7	Zero indication
8	Battery symbol



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Features and Controls for the Scale

How to use the scale


Switching ON:

- Press  (no.1 on display)
- For a few seconds a start-up screen will be shown
- When the display shows 0.0kg you can start using the scale

Switching OFF:

- Press and hold  (no.1 on display) for 3 seconds and the display will be switched OFF.

Zero the scale:

- Press  (no.1 on display) while scale is ON to zeroing the scale.

The **Zero indication** (no.7 on display) will be shown in the display. If 0,0kg and the Zero indication is already shown on the display you don't have to Zero the scale.

Weighing the patient:

- Place the lift on a hard and flat surface, lock all castors on the lift.
- Start the display and wait until 0,0kg and the stability sign is shown on the display before placing the patient onto the lift.
- Wait until the stability sign is shown and read the weighing result.

Bed transfer:

- If a patient must be moved from the bed onto the stretcher, place the stretcher just beside the bed and lock all castors. The stretcher can not be in contact with the bed.
- Start the display and wait until 0,0kg and the stability sign is shown on the display before placing the patient onto the lift.

Important:

- Before using the scale make sure you have read and understood our safety and control instructions. See table of content.
 - Always place the lift on hard and even surface. A thick and soft surface will affect the weighing result.
 - When weighing the patient, don't touch the patient or lift. It will affect the weighing result.
 - The feet can not be in contact with the floor or the legs of the lift. It will affect the weighing result.
 - For an accurate weighing result the patient must sit in the middle of the seat.
- If you have a stretcher or a Combi lift, Never sit on the side parts.



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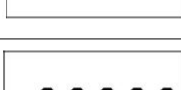
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Features and Controls for the Scale

Error messages

Following Error messages can be shown on the display.

ERROR MESSAGE	REASON	ACTION
	Low Battery: This warning shows that the voltage of battery is too low to use	Please replace a new battery or plug the AC adaptor for operation.
	Overload: The total load exceeds the maximum capacity of scale	Please reduce the loading and try again.
	Counting error (too high): Indicates that the signal from the load cell/s is too height	This error is normally caused by a serious fault on the scales such as a faulty load cell or wiring. Please contact the local service representative.
	Counting error (too low): Indicates that the signal from the load cell/s is too low	This error is normally caused by a serious fault on the scales such as a faulty load cell or wiring. Please contact the local service representative.
	Zero count over calibration zero range +10% while power on	Please re-calibrate the instrument.
	Zero count under calibration zero range -10% while power on	Please re-calibrate the instrument.
	EEPROM Error: Indicates that there is a fault with the scales software	This error is normally caused by a serious fault on the scales such as a faulty load cell or wiring. Please contact the local service representative.

Note:

AC-adaptor is not available for the TR1650.

If re-calibration is necessary contact a CHARDER Medical service partner.



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Routine Maintenance

Cleaning:

Use alcoholic wipes or similar to clean the display.

Warning:

DO NOT use large amounts of water when cleaning the scale. This can damage the scale electronics.

DO NOT use corrosive liquids or high pressure washers.

Batteries:

- When starting the display, check the power status of the batteries. The battery symbol is shown in the lower left corner. If the status is low, replace the batteries.
- When the power from the batteries is too low the warning "LO" will be shown in the display.

Deposit:

- Deposit the scale, circuit board, batteries and cover in accordance with local requirements.



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Maintenance record

Date	Description	Signed by

Prop.65 Warning for California Residents



WARNING: This product can expose You to chemicals including Lead which are known to the State of California to cause Cancer or Reproductive Harm.



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Training record

Date	Description	Signed by

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