
charder®



MS 5400
USER MANUAL

Please keep the instruction manual at hand all the time for future reference.

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PREFACE

Thank you for choosing CHARDER MEDICAL product. All features of this product were designed to state of the art and are optimized for simple and straightforward use. If you have any queries or experience any problems not addressed in the operating instructions, please contact your CHARDER MEDICAL service partner, or visit us on the Internet at www.chardermedical.com

GENERAL INFORMATION

We strongly recommend you use the scales on flat and hard surface. Any soft surface, like carpet will cause inaccuracy.

SAFETY INSTRUCTION



Before putting the device into use, please read with care the information given in the Operating Instructions. They contain important instructions for installation, proper use and maintenance of the device.

The manufacturer shall not be liable for damages arising out of failure to heed the following instructions:

- ◆ When using electrical components under increased safety requirements, always comply with the appropriate regulations.
- ◆ Improper installation will render the warranty null and void.
- ◆ Ensure the voltage marked on the power supply unit matches your mains power supply.
- ◆ This device is designed for use indoors.
- ◆ Observe the permissible ambient temperatures for use
- ◆ The device meets the requirements for electromagnetic compatibility. Do not exceed the maximum values specified in the applicable standards.
- ◆ Ensure that the patient does not lean against the device risk of falling!

If you have any problem, contact your local CHARDER MEDICAL service partner.

Please be noted that the footrest pedal is not designed for standing on as it is only used for placing the feet on when weighing. Unsafe acts may cause incidents.



Please be aware of the leveling before weighing.

The air bubble of the water balance should be in the middle of leveling.



ENVIROMENTAL

- ◆ All batteries contain toxic compounds; disposal of batteries should be delegated to a competent organization, complying with the deposit of Poisonous Waste Regulation 1972.
- ◆ Please do not incinerate batteries.
- ◆ The optimum operating temperature for the scale is 5°C to +35°C; Although it will operate at higher and lower temperatures the scales battery life will be adversely affected.
- ◆ You are legally obliged to hand in used batteries/rechargeable batteries to a local collection point so that they can be disposed of in an environmentally-friendly way. When buying new batteries, select batteries low in harmful substances and no mercury(Hg), cadmium(Cd) or lead(Pb).

CLEANING

- ◆ We would recommend using alcohol based wipes or similar when cleaning the scales.
- ◆ Please do not use large amounts of water when cleaning the scales as this will cause damage to the scales electronics, you should also refrain from using corrosive liquids or high pressure washers.
- ◆ Always disconnect the scales from the mains power supply before cleaning.

MAINTENANCE

The scale does not require any routine maintenance. However, we recommend checking the scale's accuracy at regular intervals. The regularity of these checks is dependent on the level of use and the state of the scale. If any inaccuracies occur, please contact your local dealer or CHARDER MEDICAL service partner.

WEIGHING OPERATION

Before reading detailed instructions on how to use all the weighing functions that are built into your scale, please read the following important guidelines:

- ◆ Always be sure that the display shows `Zero` before use, if it does not then please press the ZERO key.
- ◆ The device is designed to detect when a stable weight is achieved, the indicator will `bleep` twice to indicate a stable weight value, your reading should be taken at this point.

WARRANTY-LIABILITY

- ◆ If a fault or defect is present on receipt of the unit which is within CHARDER MEDICAL's scope of responsibility, CHARDER shall have the right to either repair the fault or supply a replacement unit. Replaced

parts shall be the property of CHARDER. Should the fault repairs or replacement delivery not be successful, the statutory provisions shall be valid. The period of warranty shall be two years, beginning on the date of purchase. Please retain your receipt as proof of purchase. Should your scale require servicing, please contact your dealer or CHARDER MEDICAL Customer Service.

- ◆ No responsibility shall be accepted for damage caused through any of the following reasons: Unsuitable or improper storage or use, incorrect installation or commissioning by the owner or third parties, natural wear, changes or modifications, incorrect or negligent handling , overuse, chemical, electrochemical or electrical interference or humidity, unless this is attributable to negligence on the part of CHARDER MEDICAL.

If operating, climatic or any other influences lead to a major change in conditions or material quality, the treaty for perfect unit functioning shall be rendered null and void. If CHARDER provides an individual warranty, this means that the unit supplied will be free of faults for the length of the warranty period.

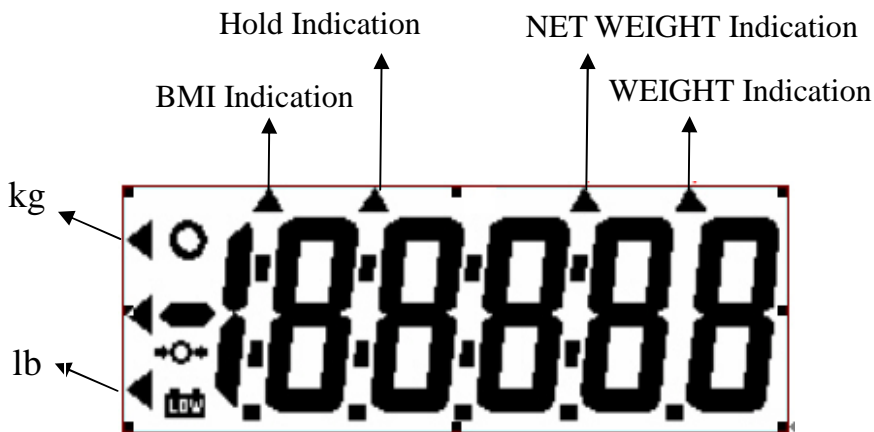
DISPOING OF THE SCALE

- ◆ This product is not to be treated as regular household waste, but should be handed in to an electrical/electronic equipment recycling centre.
- ◆ You can obtain further details from your local council, your municipal waste disposal company or the firm which you purchased the product.

SPECIFICATION

Model	MS 5400
Capacity	300kg x 100g / 660lb x 0.2lb
Accuracy	$\pm 0.2\text{kg}$ / $\pm 0.4\text{LB}$
Weight Unit	kg / lb
LCD Display	1.0 inch LCD display with 5 and 1/2 digits
Dimension	1100(L) X 800(W) X 600(H) mm
Key Functions	ON/OFF, UNIT , HOLD/BMI , TARE
Power Supply	6 x 1.5V AAA Batteries / AC adapter
Operation Temperature	5°C / 35°C

LCD SYMBOL DESCRIPTION



Above LCD symbol definitions are explained in Page.8 Key Functions.

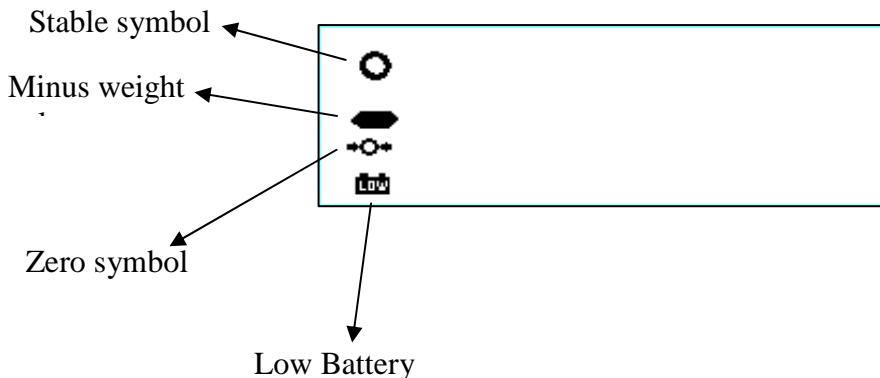
Definitions

Stable symbol: When user stands on scale and is stable.

Minus weight: Weight under zero.

Zero symbol: Weight is at zero point.

Low battery: Voltage is too low to operate.



KEY FUNCTIONS



Description

- **ON/OFF** Press to power on and power off.
- **UNIT** Press to select weight unit (kg , lb).
- **HOLD/BMI**

Press to lock weight during weighing. Press again to release.

Keeping press HOLD/BMI key for 3 seconds to enable BMI function.

- **TARE** Press to tare the weight of target.

USING YOUR HOLD FUNCTION

1. Press **ON/OFF** to turn on the scale.
2. Let the patient onto the scale after LCD shows “0.0” and stable symbol.
3. Press **HOLD/BMI** key to lock the weight that given by the device.
4. Let the patient off the scale.
5. Check the weight value which being locked.
6. Press **HOLD/BMI** to release the function.
7. Press **ON/OFF** to end your measuring procedure.

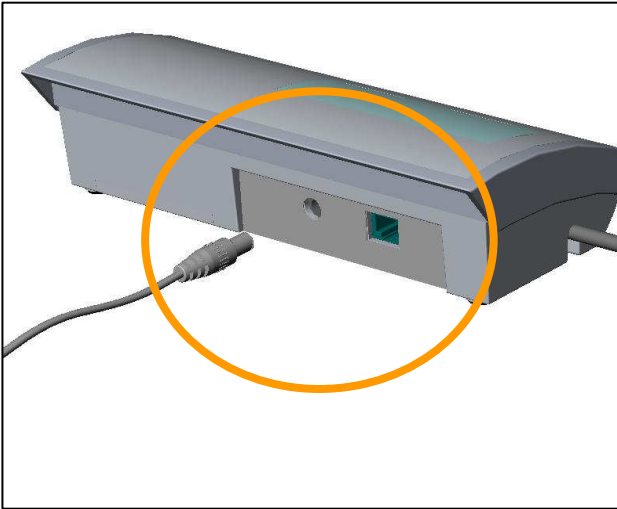
Only pressing the HOLD button shall perform disabling and enabling the weighing lock function.

INSTRUCTION FOR BMI FEATURE

1. Power on the device.
2. You will need to know the height of the person being weighed, so it's the best to measure somebody's height before starting the weighing procedure.
3. Proceed to weigh as normal, after the weight is stable; press **HOLD/BMI** key for 3 seconds to enter into **BMI** mode.
4. The display will then change to a display of height.
5. The person being measured can now get off the scale as the scale has memorized his/her weight.
6. Then the operator starts to enter the height of person (the height should be measured by centimeters).
7. Press **TARE** to change your height. Press **HOLD/BMI** to move to next digit.
8. When the right figure sets for the height display in centimeters, press **UNIT** to finish setting.
9. The display will then show the B.M.I. reading.
10. Press **UNIT** key again to exit the B.M.I. mode.

INSTRUCTION FOR CHARGE AND CONNECT

If **. Lo** is displayed on the LCD, you should charge scale with exclusive adaptor for MS 5400.
Locate adaptor plug at the rear of indicator.



CAUTION:

Always connect the AC adaptor to the indicator before connecting to the mains power supply. Please disconnect the adaptor from main power supply before indicator.

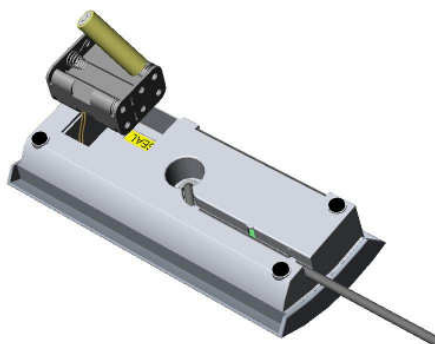
INSTRUCTION FOR REPLACING BATTERY



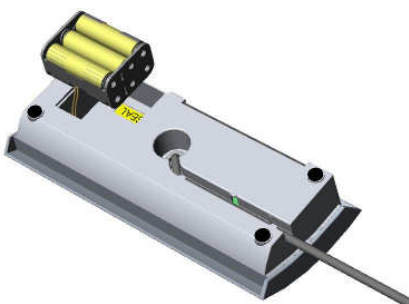
1. Removing the battery cover



2. Take the battery housing out.



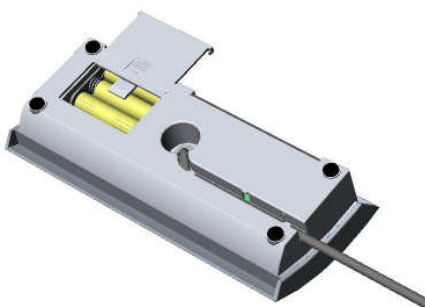
3. Replacing new batteries.



4. Make sure batteries are well installed.



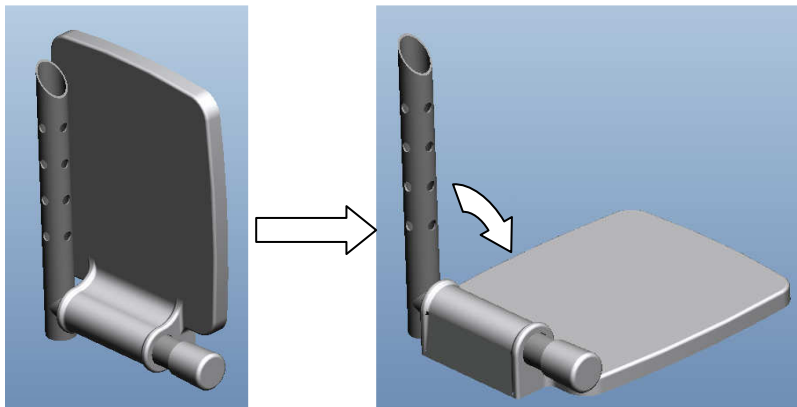
5. Reinstalling the battery housing.



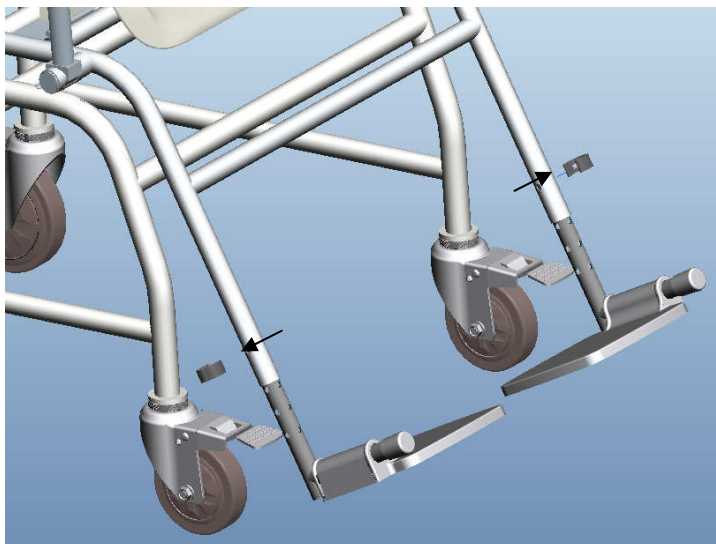
6. Reinstalling the battery cover.

MS5400 ADJUSTMENT OF FOOTRESTS/ LEVELING

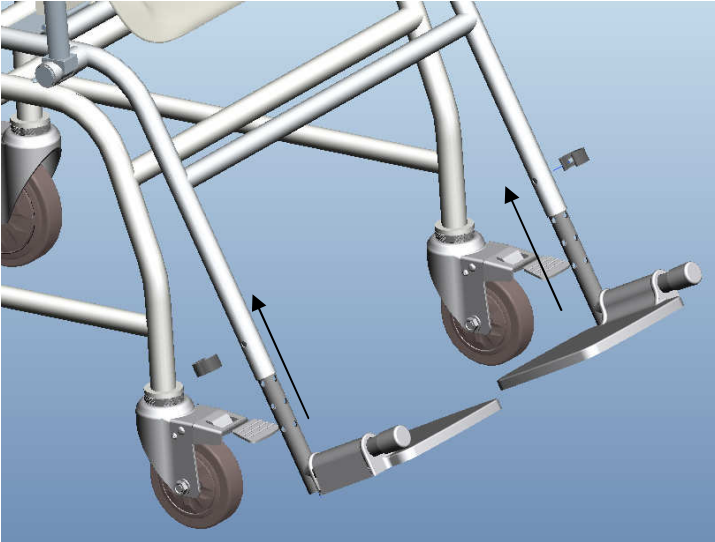
1. Folding the footrest down.



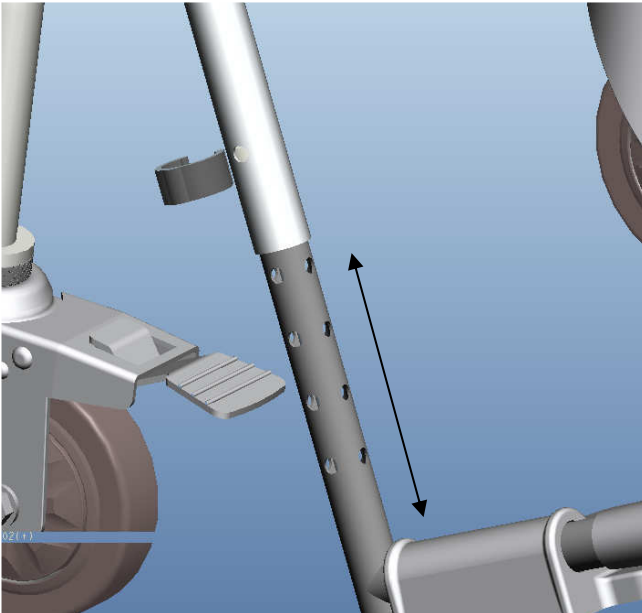
2. Remove bolt in order to adjust length of footrests.



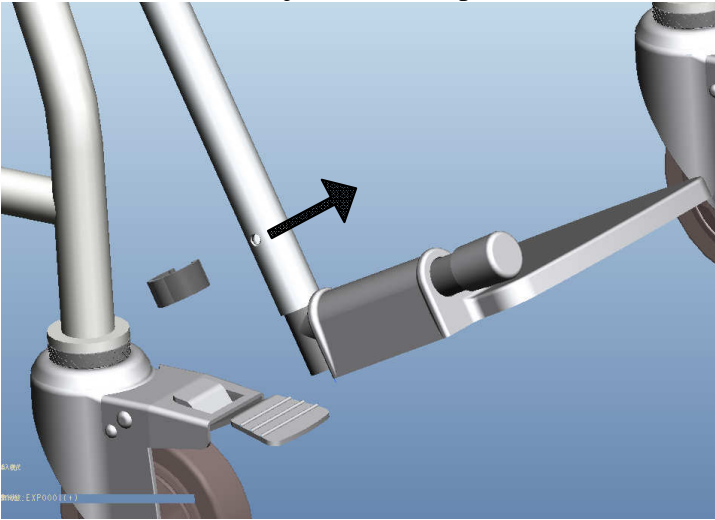
3. Assembling footrests with seat tube.



4. Adjusting optimum height of footrests.



5. Bolting the footrests when adjustment completed.



6. The wheel height needs to be adjusted for leveling.

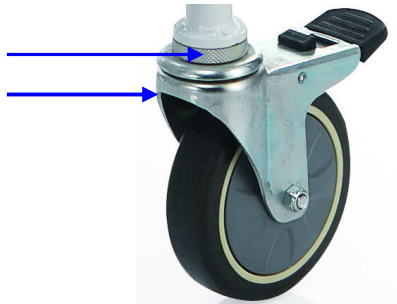
1 Place the scale
on the flat surface

Put the brake on



2 By tighten the castors first, need to loosen conternut a bit. Then
turn the wheel clockwise to tighten on the scale

- 1. counternut
- 2. wheel



3

Check if air bubble level is in the middle. Or, turn the wheel height for leveling.



Be careful not to lose wheels when adjusting wheels for leveling.

ERROR MESSAGE

■ Low battery:

This warning shows that the voltage of battery is too low to use. Please replace new batteries or plug the AC adaptor for operation.



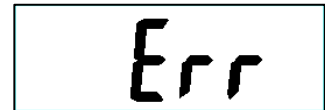
■ Counting error (too low):

The loading is lower than limit when power on, please increase the loading and try again. If the trouble still exists please call your local service partner.



■ Overload or counting error (too high):

The loading is over limit when power on, please reduce the loading and try again. If the trouble still exists, please call your local service partner.



■ EEPROM Error:

The program of the scale has error, please call your local service partner.



TROUBLESHOOTING

Troubleshooting for defective modes:

Original purchaser can enjoy the benefits under the effective Warranty against functional defects in material and workmanship subject to the terms and conditions listed in the yearly Warranty Program & Return Policy.

Our warranty service program includes the following:

1. Technician repair service under warranty or at a service maintenance charge depending on the workmanship for the defective functionality or cause of damage covered by the warranty.
2. Parts replacement from the manufacturing factory under the warranty or at a certain cost for the replaced parts plus the workmanship charge if not covered under the warranty.

Before you contact our Authorized Dealer in your country for technician repair service, please read through the following section carefully:

Self-checking Tips:

Some functional defects can be identified and maintained by users as listed below:

1. Power-on failure

- Check if the main power adaptor has not plugged onto the scale properly
- Check if the battery power is running low - Replace with new batteries

2. Indicator showing “0000” ZERO SPAN out of range

- Incorrect weighing result - Avoid damages by external environment force such as free-drop to the ground, collision by external objects, etc.
- Proper re-calibration procedure required to correct the setting of weighing accuracy.
- Interference due to RF disturbance, ground vibration...etc.
- Unstable platform feet adjustments according to bubble level indication
- Incorrect position or other external objects within weighing area
- The weighing-scale is not put in a solid & firm ground area, such

as carpet floor or lawn.

3. Connection failure for data transmission to PC or printer

- Wrong connection wires or faulty wires for transmission between the digital indicator & load cells.
- Wrong indicator models
- Wrong internal wiring or wire broken

In case of the following defective mode occurs, it is suggested to contact your nearest Authorized Dealer for further technician service & repair:

1. POWER switch-on failure :

- Push-button faulty
- Short circuit wires - Wire broken
- Safety fuse burnt out
- Wire connection problem
- Main power adaptor faulty – Parts Replacement

2. LCD display faulty

- Possible hardware defects include: Uneven brightness in the LCD display screen & texts color blurred, smeared rainbow screen, incorrect decimal display
- LCD PIN broken or short circuit
- PCB cooper foil broken & loosed welding
- Unable to save or read data – IC or transistor faulty, internal parts broken.
- LCD showing “ERRL” after switch on - Load cell damaged
- Overload may cause the weigh to malfunction.
- Software system crash
- Resonator faulty
- Load cells with faulty grinding standard.
- Key buttons failure - Front key panel damaged or disconnected

3. Buzzer malfunction

- Wrong welding of PVC wire
Key buttons & control panel damaged or disconnected.



Manufacturer's Declaration of Conformity

This product has been manufactured in accordance with the harmonized European standards, following the provisions of the below stated directives:

Electro Magnetic Compatibility Directive 2014/30/EU

Low Voltage Directive 2014/35/EU

FCC CLASS B Declaration of Conformity

This device complies with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules

Manufactured by:



Charder Electronic Co., Ltd.

No.103, Guozhong Rd., Dali Dist.,

Taichung City 412, Taiwan (R.O.C.)

FDA no.: D051883