

# KILOTECH MEDICAL SCALES

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by **Ocharder**



**MS-3900**  
USER MANUAL

**Ce manuel est disponible en français à**  
**[www.kilotech.com](http://www.kilotech.com) ou auprès de notre service à**  
**la clientèle au 1-800-694-4445.**

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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 optimised for simple and straightforward use. If you have any queries or experience any problems not addressed in the operating instructions, please contact the dealer from whom you purchased the scale or Kilotech Scales at 800-694-4445, 877-328-5988 or [www.kilotech.com](http://www.kilotech.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 end-user must take every precaution to insure the safety of this device and the people using the device.

Neither Kilotech Inc. nor the manufacturer shall be liable for legal issues, damages or injuries arising when the scale is used in the following ways or in the following conditions:

- If the scale is used in an illegal manner or for an illegal application.
- If the scale is used for any application other than which it was evidently destined.
- If the scale is modified in any way.
- If the scale is improperly installed.
- If the scale is used outdoors, in water, high humidity (over 80%) or temperatures outside of the “operating temperatures”.
- If used in an improper or illegal electrical installation.
- If the device is apparently abused or improperly maintained.
- If the device exceeds the requirements for electromagnetic compatibility.
- Do not exceed the maximum values specified in the scale specifications.

## 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.

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 scale's battery life will be adversely effected.

## CLEANING

We would recommend using alcohol based wipes or similar when cleaning the scales.

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 electrical 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, contact your local dealer.

## 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 Professional Medical scale is designed to detect when a stable weight is achieved, the indicator will `beep` twice to indicate a stable weight value and your reading should be taken at this point.

## WARRANTY-LIABILITY

Charder medical scales sold by a Kilotech Inc. authorized dealer are warranted for 2 years from the original date of purchase and only to the original end user. Kilotech may request a copy of the original invoice prior to making any repair on warranty.

Charder medical scales sold by a Kilotech Inc. are warranted against manufacturer defects under normal use. The warranty does not cover the

following: unsuitable or improper storage, installation, use or maintenance; apparent damage resulting from an accident, neglect or abuse or improper handling; damage caused by high humidity, liquid or foreign substance infiltration; damage due to use in temperatures outside the "Operating temperature" range; use near a source of Electro-magnetic or RF interference.

In Canada, Charder Medical Scales are repaired by Kilotech Inc. at Kilotech's facility in Montreal QC. The shipper is responsible to properly pack and return the scale to Kilotech and is responsible for any damage caused to the device because of improper packaging.

An RMA Return Merchandise Authorization Number must be obtained prior to shipping. Customer must adhere to shipping instructions on the RMA. The RMA can be obtained by calling 1-800-694-4445.

If the customer is not a Kilotech dealer, any payment will need to be secured by Kilotech on a credit card prior to the scale being returned to the customer.

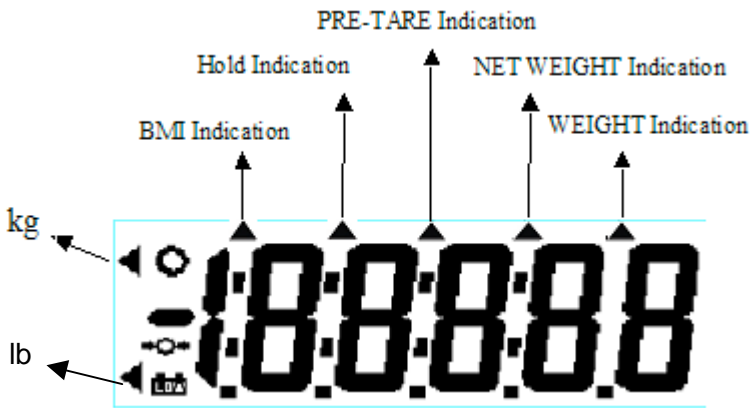
## **DISPOSING OF THE SCALE**

This product is not to be treated as regular household waste, but should be handed in to an electrical/electronic equipment-recycling center.

## SPECIFICATION

<b>Model</b>	MS-3900
<b>Capacity</b>	660lb x 0.2lb 300kg x 0.1kg
<b>Weight Unit</b>	kg/lb
<b>LCD Display</b>	1.0 inch LCD display with 5 and 1/2 digits
<b>Dimension</b>	Pole High: 800 mm Platform size: 340 x 450 mm
<b>Power Supply</b>	6x AAA battery / AC adapter 9V 100mA
<b>Operation Temperature</b>	5℃~35℃

## LCD SYMBOL DESCRIPTION



Above LCD symbol definitions are explained in Page 7 Key Functions.

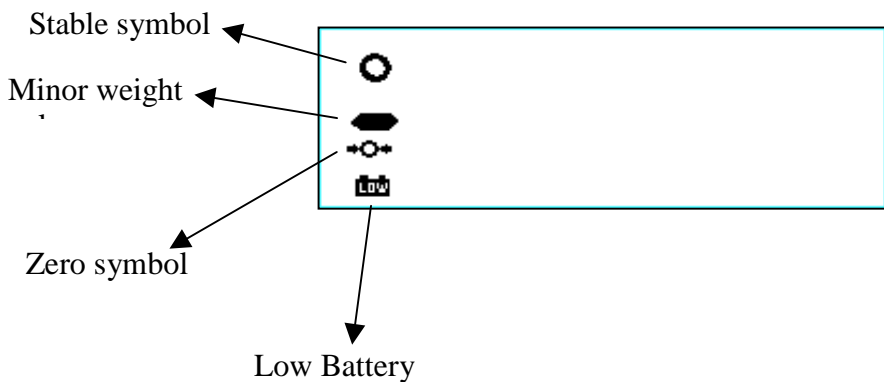
### Definitions

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

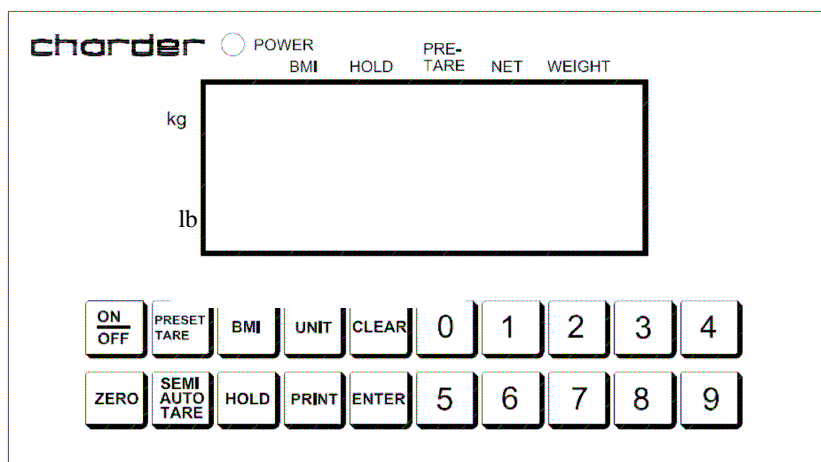
**Minor weight:** Weight under zero.

**Zero symbol:** Weight is at zero point.














**Low battery:** Voltage is too low to operate.



# KEY FUNCTIONS



## Description:

-  Press to power on or power off.
-  Press to zero the weight.
-  Press to calculate Body Mass Index.
-  Press to lock weight value during weighing. Remove weight or press
-  key again to disable hold function.
-  Press to input weight of subject (for example: clothes) to tare target's weight before standing on scale.
-  Press to tare weight of target during weighing process.
-  This enables the operator to select between Metric and Imperial.
-  Clear digits when input wrong digits.
-  Press to execute or jump to next step.  
Press to acquire BMI after input user's height.
-  Not available on this model.
-   Press to input digits.

## SETTING UP YOUR DEVICE

### ➤ AUTO-OFF TIME SETUP

This enables operator to setup period to shut off device with no operation automatically.

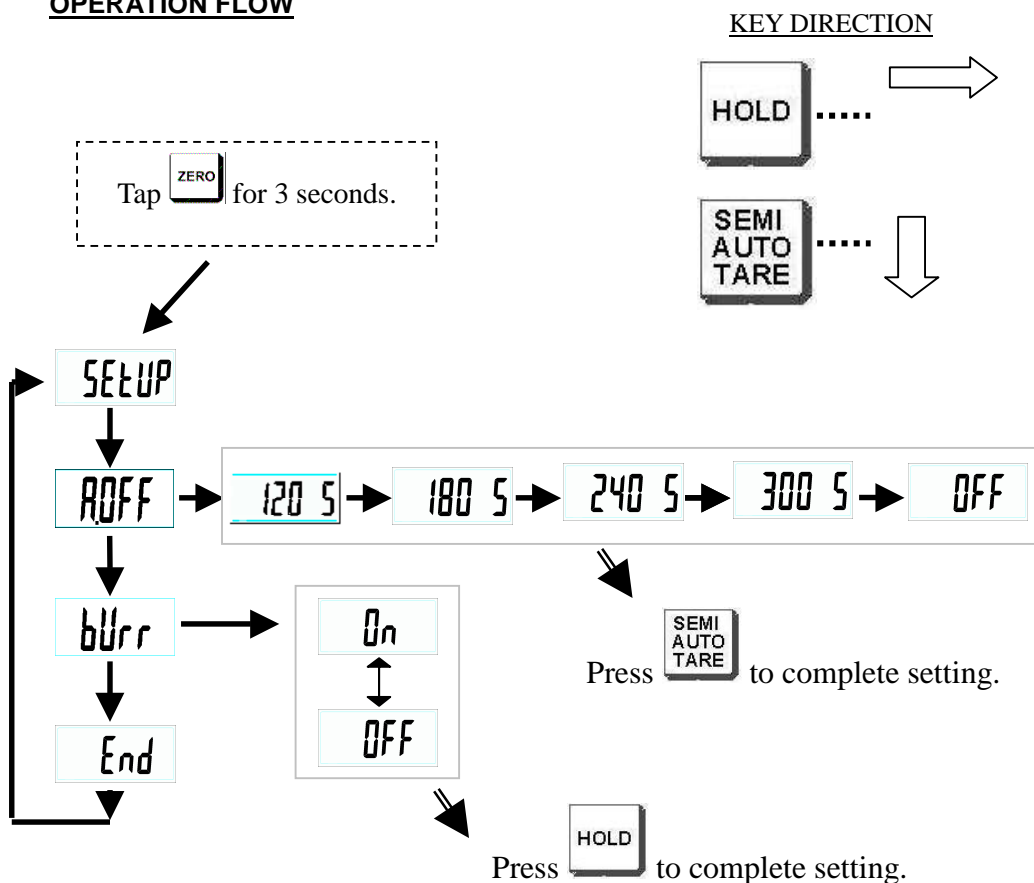
### ➤ BUZZER ON/OFF SETUP

This enables operator to setup ON/OFF to the buzzer.

Auto off time: 120 sec /180 sec /240 sec /300 sec /off


















Buzzer: On/Off

## OPERATION FLOW




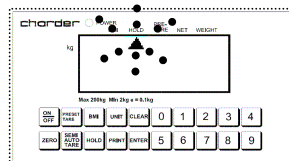
## SETTING UP YOUR DEVICE STEP BY STEP

### For Example: Setup 180s AUTO-OFF time and Buzzer OFF

- Press  for 3 seconds to enter the setting mode.
- Press  to enter Auto-Off menu when you see  symbol.
- Press  to select  which means Auto-Off time is 180s.
- Press  to confirm and return to  menu.
- Press  to jump to  menu.
- Press  to enter Buzzer menu.
- Press  to select buzzer  or .
- Press  to confirm ON/OFF setting.
- Press  to jump to  and press  to save settings.

## USING YOUR HOLD FUNCTION

Press  to enable weighing lock and the arrow will start to flash.(figure1.)




(1)

Proceeding weighing process.  
Device will lock your weight when stable symbol lights up.(figure2.)




(2)

Check and record the result.

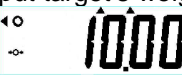
Press  to release weighing lock.  
Disabling and enabling the weighing lock function shall be performed only by pressing the HOLD button.

## USING YOUR PRESET TARE FUNCTION

Press  to switch on device.

1. Press  to enable this function.


2. The LCD shows  and is ready for input target's weight.

3. Input the weight that you wish to deduct. ex:10kg 

4. Press  to finish input.

5. Now you have 10kg as your deduction. 


6. Weigh 70kg and get 60kg as a net weight.

7. Press  to return to normal mode

## USING YOUR SEMI AUTO TARE FUNCTION




Press to switch on device.

When it shows  (zero) and beep twice, please place a target which you want to tare its weight (like clothes) on the scale platform.



Press to tare the weight of target.


LCD will return to  (zero).

Then client stands on the scale and weigh.

The value is the net weight of client. The weight of his clothes has been tared at step 3.

## HOW TO USE BMI FEATURE



Press  to switch on device.

1. You will need to know the height of the person being weighed, so it is best to measure target's height before starting the weighing procedure.
2. Proceed to weigh as normal.
3. After the weight is stable



press  to proceed.

4. LCD 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.

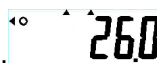



6. Enter the height of person with numeric keypad  
(Example: 186cm, the height should be measured by centimeters).



7. Press 

8. The Display shows now the B.M.I. reading.



9. Press  again to return to normal mode.

# SCALE ASSEMBLY



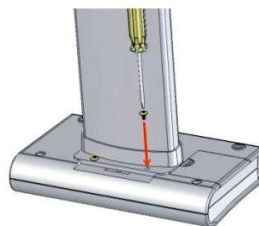
1. Pierce the jacket through the hole



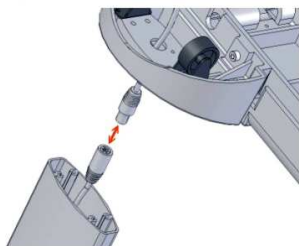
2. Pull back and press down the indicator to the set



3. Be sure the indicator is stable  
On the set



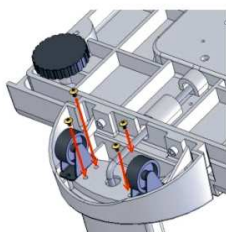
4. Screw up the set and indicator



5. Connect the jackets

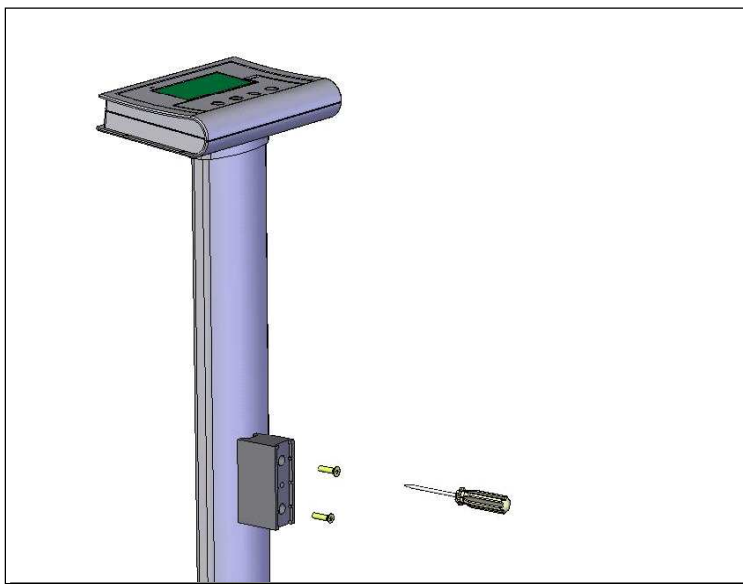


6. Put the column on the base  
Note : Be sure the set of indicator  
faces to the correct direction

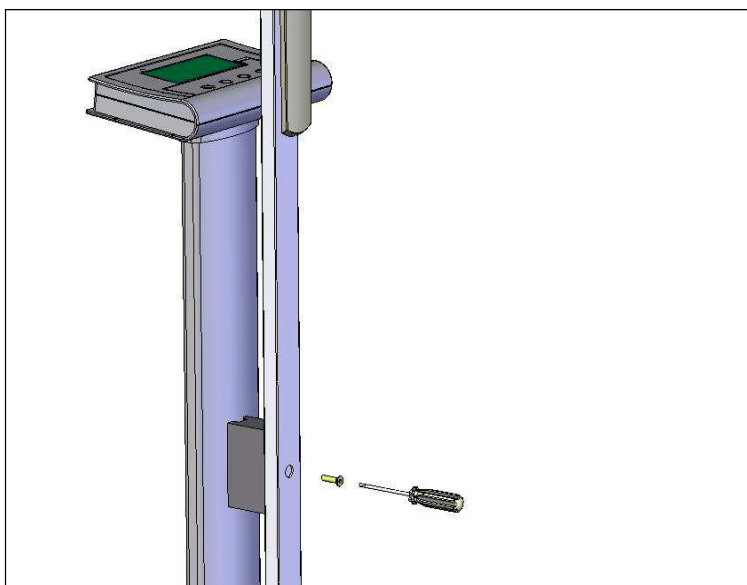


7. Screw up the column and base

## ASSEMBLY INSTRUCTION FOR HEIGHT ROD (OPTIONAL)



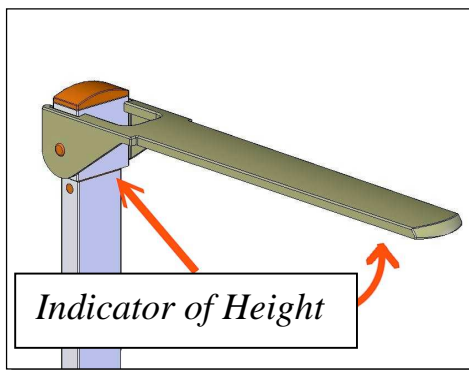
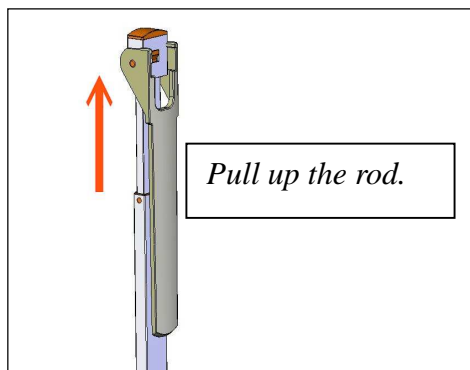
1. Screwing the fixed block on the column.



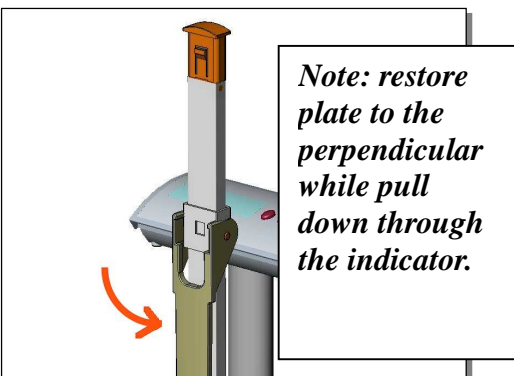
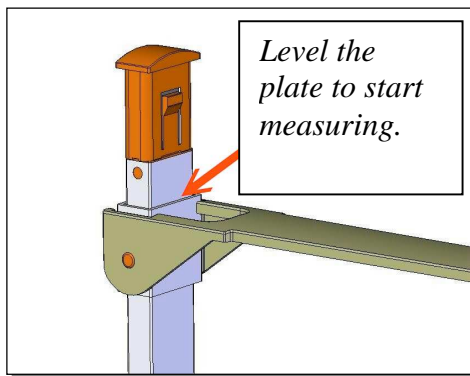
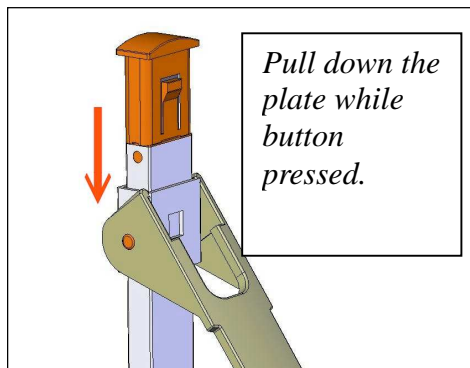
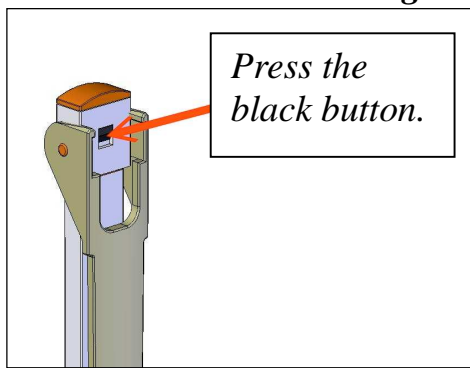
2. Screwing the Height Rod on the fixed block. Then it's ready for use.

# INSTRUCTION FOR USING HEIGHT ROD

## *Measuring Over 131 cm*



## *Measuring Under 131 cm*



## 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.



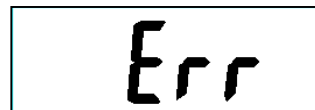
### ■ Counting error( too low ):

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.





### **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 2004/108/EC**

**Low Voltage Directive 2006/95/EC**

### **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