

KILOTECH MEDICAL SCALES

by  charder



MS-2100
USER MANUAL

Ce manuel est disponible en français à
www.kilotech.com ou auprès de notre service à
la clientèle au 1-800-694-4445.

TABLE OF CONTENTS

PREFACE	2
GENERAL INFORMATION	2
SAFETY INSTRUCTION	2
ENVIROMENTAL	3
CLEANING	3
MAINTENANCE	3
WEIGHING OPERATION	3
WARRANTY-LIABILITY	3
DISPOSING OF THE SCALE	4
SPECIFICATION	5
KEY FUNCTIONS	6
POWER SUPPLY	6
HOW TO USE THE HOLD FUNCTION	6
ERROR MESSAGE	7

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.

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’s specifications.

ENVIRONMENTAL

All batteries contain toxic compounds; disposal of batteries should be delegated to a competent organisation, 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 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

Model	MS-2100
Capacity	44lb x ½ oz 20kg x 10kg
Weight Unit	lb / kg
LCD Display	1.0" LCD display with 4 active digits
Dimension	520 x 355 mm
Key Functions	UNIT, ON/TARE/OFF, HOLD
Power Supply	9V alkaline battery 9V 100mA AC adapter
Operation Temperature	5°C~35°C

KEY FUNCTIONS

ON/TARE/OFF

Press to switch on the scale.

Press to tare the weight of subject and acquire net weight.

Press 3 seconds to turn off the scale.

UNIT

Press to switch between kg and lb.

HOLD

Press to lock the weight.

Press HOLD key again to release and disable the function.

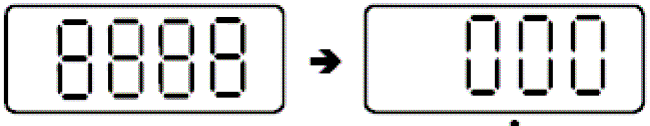
POWER SUPPLY

The MS-2100ss uses 9V alkaline battery or 9V 100mA AC adapter as its power supply.

HOW TO USE THE HOLD FUNCTION

Switching on the scale by pressing button **ON/TARE/OFF**.

Scale is ready for use when LCD shows "8888" and then "0.00"



1. Place the scale on stable, level surface.
2. Place an animal on platform and press **HOLD**.
3. Wait briefly until the weight shown on the display is stable and the hold indicator stops blinking.
4. The weight will now be displayed on the screen.

1. LOW BATTERY

If battery is discharged, the display will show LOW. The operator should replace the battery.

A rectangular box containing the digital characters 'LO' in a simple, blocky font.

2. OVER ZERO

If zero count is higher than the setting range, the display will show "Err" message. The scale will turn off in 30 seconds if the status continuous.

A rectangular box containing the digital characters 'Err' in a simple, blocky font.

3. UNDER ZERO

If zero count is below the setting range, the display will show "ErrL" message. The scale will turn off in 30 seconds if the status continues.

A rectangular box containing the digital characters 'ErrL' in a simple, blocky font.

4. OVERLOAD

If the total load exceeds the maximum capacity of the scale, the display will show "Err" message. The weight must be removed immediately from the surface.

A rectangular box containing the digital characters 'Err' in a simple, blocky font.



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 93/68/EEC

Low Voltage Directive 73/23/EEC

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