



Chair Scale

USER MANUAL **MS5440**



Please keep the instruction manual at hand and follow instruction for use.

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Explanation of Graphic Symbols on Label/Packaging

Text/Symbol	Meaning
	Caution. Failure to follow instructions may result in adverse events
	Separate collection for waste of electrical and electronic equipment, in accordance with Directive 2002/96/EC. Do not dispose of device with everyday waste
	Name and address of device manufacturer
	Carefully read user manual before installation and usage, and follow instructions for use.
	Medical electrical device, Type B applied part
	Device catalogue number
	Name and address of authorized representative in the European Union (applicable for medical devices only)
	Device is a medical device. Text indicates device category type
	Manufacturer's batch or lot number for device
	Device's serial number
	Device's model number
	Device's Unique Device Identifier (01) GTIN (11) Production date (21) Serial number
	Value in mass units. This is the difference between two consecutive display values, used to classify and verify a scale
	Device conforms to (EU) 2017/745 Regulation on Medical Devices. Four digit number is identifier for medical device Notified Body



Device claims conformity with essential regulations set by the relevant European Union legislation

CE M17 0122

Device complies with EU directives
M: Conformity label in compliance with Directive 2014/31/EU for non-automatic weighing instruments
17: Year in which conformity verification was performed and the CE label was applied. (ex: 17=2017)
0122: Identifier for metrology Notified Body



Device is a Class III scale in compliance with Directive 2014/31/EU



Name and address of entity importing device



Name and address of entity responsible for translating Information For Use

CON.

Event counter recording how many times protected-mode parameter adjustments relating to metrology-related characteristics (ex: gravity value) have been conducted for device



Device has received Taiwan NCC approval



Device conforms to U.S. Federal Communications Commission regulations



Device complies with all UK applicable product legislation



Device's polarity of power.



The Chair Scale is for weight measurement only. Please do not push the Chair Scale while the patient is sitting on it.



The footrests are provided for the subject to rest their feet upon, for accurate weight measurement. Do not stand on the footrests!

In case of differences, icon on device itself takes precedence.

Copyright Notice

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I. Safety Notes

A. General Information

Thank you for choosing this Charder Medical device. It is designed to be easy and straightforward to operate, but if you encounter any problems not addressed in this manual, please contact your local Charder service partner.

Before beginning operation of the device, please read this user manual carefully, and keep it in a safe place for reference. It contains important instructions regarding installation, proper usage, and maintenance.

Intended Purpose

This medical device is designed to be used in accordance with national regulations, to measure weight within specifications, for weight-related usage by professionals.

Clinical Benefit

Measurement results can be used by professionals to diagnose (and monitor) weight-related issues.

Intended medical indications/contraindications

Measurement: patient's body weight. No known contraindications to measurement of body weight.

Intended patient profile

- (a) Age: no restrictions
- (b) Weight: no restrictions within device weight capacity
- (c) Patient Conditions: require measurement of body weight.
Unable to stand independently without support.

Intended user profile

- (a) At least 20 years old
- (b) Minimum knowledge:
 - To be able to read at a high-school level and understand Arabic numerals (e.g. 1, 2, 3, 4...)
 - Basic hygiene knowledge
 - Trained in device's operation
 - Read the instruction manual

(c) Language

- Able to read the language of instruction manual and on-screen instructions

(d) Qualifications

- No special certifications or qualifications required

Residual Risk Evaluation

- (a) All foreseeable risks have been evaluated and considered acceptable. Generally speaking, the most likely risk caused by incorrect usage of the device is less accurate measurement (or inability to use device to acquire measurement), which does not pose imminent physical risk to patient or user.
- (b) Benefit-risk ratio is considered acceptable. Chair scales are an important option for measuring patients. Usage of device is unlikely to result in harm to user or patient.

General Handling

- Ensure all parts are properly locked and tightened before operating the device.
- Measurement accuracy requires the subject's feet, back, and head to be straightly aligned. Please note that height can vary throughout the day
- **CAUTION:** Do not use next to equipment that may cause electromagnetic or other types of interference.

Safety Instructions

Before putting device into use, please read this user manual carefully. It contains important instructions for installation, usage, and maintenance of device.

The manufacturer shall not be liable for damages caused by failure to heed the following instructions:

- The device has an expected service life of 5 years when correctly handled, serviced, and periodically inspected in accordance with manufacturer's instructions.
- Improper installation will render the warranty null and void.
- Observe permissible ambient temperatures for use

Cleaning

Device surface should be cleaned using alcohol-based wipes.

Maintenance

Please contact your local Charder distributor for regular maintenance and calibration, regular checking of accuracy is recommended; frequency to be determined by level of use and state of device.

Warranty/Liability

- The period of warranty shall be eighteen(18) months, beginning on the date of purchase. Please retain your receipt as proof of purchase.
- 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 and tear, changes or modifications, incorrect or negligent handling, chemical, electrochemical, or electrical interference, unless damage is attributable to negligence on the part of Charder.
- This device does not contain any user-maintained parts. All maintenance, technical inspections, and repairs should be conducted by an authorized Charder service partner, using original Charder accessories and spare parts. Charder is not liable for any damages arising from improper maintenance or usage. Dismantlement of the device will void the warranty.



Warning

Measurements for physically disabled persons.

- Physically disabled persons should not attempt to take measurements alone, but instead should have their caretakers assist them in using the device.
- Footrest can only be used when subject is sitting in chair. To avoid injury, subject should refrain from standing on footrest, as device may tip over if used incorrectly.



Incident Reporting

Any serious incident that has occurred in relation to the device should be reported to the manufacturer, EU representative (if device is used in EU member state), and competent authority of user/subject's member state.

B. EMC Guidance and Manufacturer's Declaration

Guidance and manufacturer's declaration-electromagnetic emissions		
The product is intended for use in the electromagnetic environment specified below. The customer or the user of the product should assure that it is used in such an environment.		
Emission test	Compliance	Electromagnetic environment-guidance
RF emissions CISPR 11	Group 1	The product uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class A	
Harmonic emissions IEC 61000-3-2	Class A	
Voltage fluctuations /flicker emissions IEC 61000-3-3	Compliance	

Guidance and manufacturer's declaration-electromagnetic immunity

The product is intended for use in the electromagnetic environment specified below. The customer or the user of the product should assure that it is used in such an environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment-guidance
Electrostatic discharge(ESD) IEC 61000-4-2	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%
Electrical fast transient/burst IEC 61000-4-4	± 2kV for power supply lines	± 2kV for power supply lines	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	± 1kV line(s) to line(s) ± 2kV line(s) to earth	± 1kV line(s) to line(s) ± 2kV line(s) to earth	Mains power quality should be that of a typical commercial or hospital environment.
Voltage Dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	0% UT for 0,5 cycle 0% UT for 1 cycle 70% UT(30% dip in UT) for 25cycles 0% UT for 5 s	0% UT for 0,5 cycle 0% UT for 1 cycle 70% UT(30% dip in UT) for 25cycles 0% UT for 5 s	Mains power quality should be that of a typical commercial or hospital environment. If the user of the product requires continued operation during power mains interruptions, it is recommended that the product be powered from an uninterruptible power supply or a battery.
Power frequency(50, 60 Hz) magnetic field IEC 61000-4-8	30 A/m	30 A/m	The product power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.

NOTE UT is the a.c. mains voltage prior to application of the test level.

Guidance and manufacturer's declaration-electromagnetic immunity

The product is intended for use in the electromagnetic environment specified below.

The customer or the user of the product should assure that is used in such and environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment-guidance
Conducted RF IEC 61000-4-6	3 Vrms 150 KHz to 80 MHz 6 V in ISM bands between 0,15 MHz and 80 MHz 80 % AM at 1 kHz	3 Vrms 150 KHz to 80 MHz 6 V in ISM bands between 0,15 MHz and 80 MHz 80 % AM at 1 kHz	Portable and mobile RF communications equipment should be used no closer to any part of the product including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance: $d = 1,2 \sqrt{P}$ $d = 1,2 \sqrt{P}$ 80MHz to 800 MHz $d = 2,3 \sqrt{P}$ 800MHz to 2,7GHz Where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, ^a should be less than the compliance level in each frequency range. ^b Interference may occur in the vicinity of equipment marked with the following symbol: 
Radiated RF IEC 61000-4-3	3 V/m 80MHz to 2,7 GHz	3 V/m 80MHz to 2,7 GHz	

NOTE1 At 80 MHz and 800 MHz, the higher frequency range applies.

NOTE2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

a Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the product is used exceeds the applicable RF compliance level above, the product should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the product.

b Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3V/m.

**Recommended separation distance between
portable and mobile RF communications equipment and the product**

The product is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the product can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the product as recommended below, according to the maximum output power of the communications equipment.

Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter m		
	150 kHz to 80 MHz $d = 1,2\sqrt{P}$	80 MHz to 800 MHz $d = 1,2\sqrt{P}$	800 MHz to 2,7 GHz $d = 2,3\sqrt{P}$
0,01	0,12	0,12	0,23
0,1	0,38	0,38	0,73
1	1,2	1,2	2,3
10	3,8	3,8	7,3
100	12	12	23

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where p is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

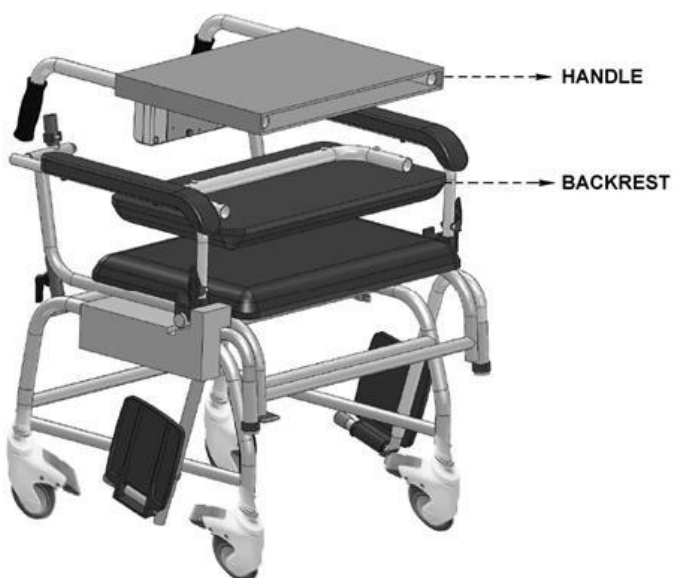
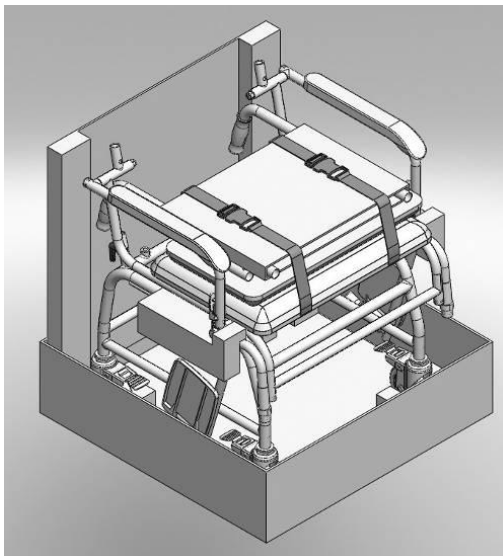
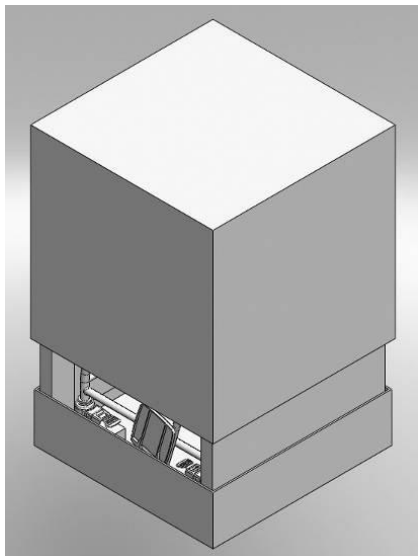
NOTE1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

II. Installation

A. Unpacking

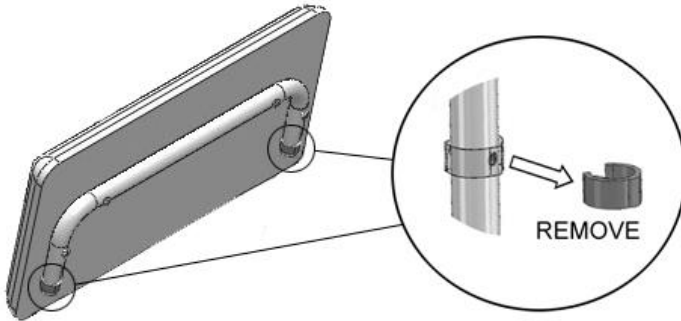
Remove top cover from shipping box.



B. Assembling/Adjusting Device

Attach Backrest

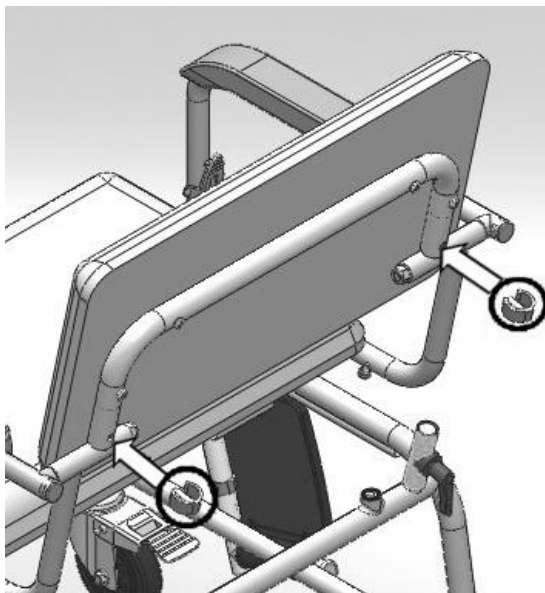
1. Remove E-type clip from backrest bar



2. Insert backrest bar into device frame



3. Insert E-type clips into hole to secure backrest



Attach Handle

1. Remove L-handle screws from device frame (turn counter-clockwise to loosen)



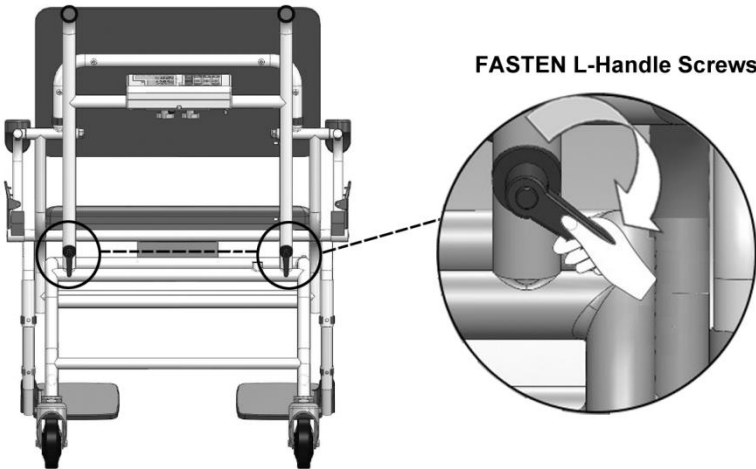
FASTEN L-Handle Screws



2. Insert handle frame into device frame

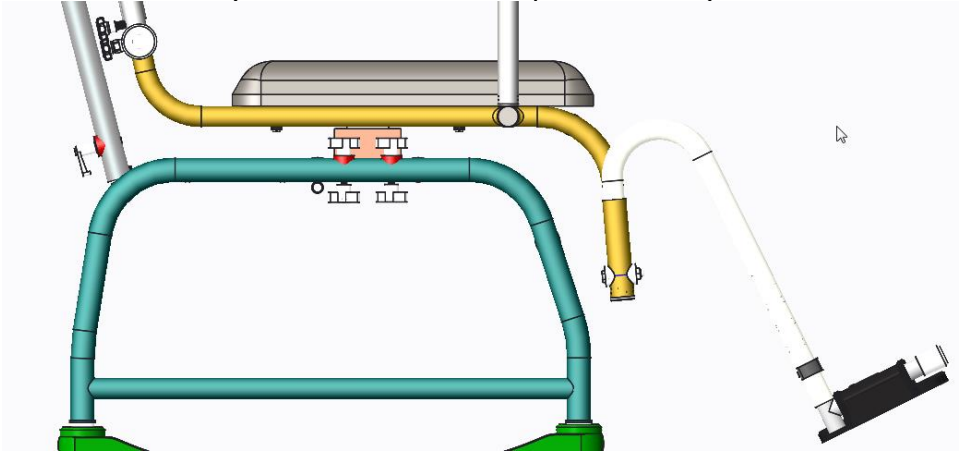


3. Fasten L-handle screws, securing handle frame with device frame (turn clockwise to tighten)



Rotate Footrest to Front

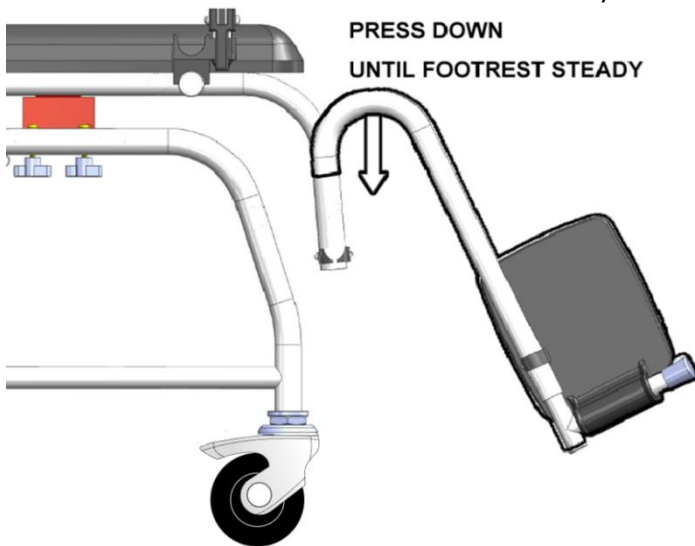
1. Raise footrest (do not remove entirely from frame)



2. Rotate to front



3. Press footrest down until footrest is steady

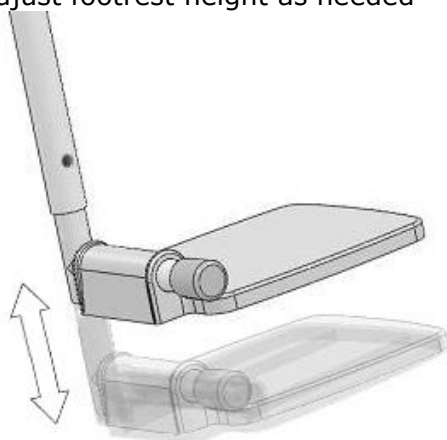


Adjust Footrest Length

1. Remove E-type clip from footrest



2. Adjust footrest height as needed



3. Insert E-type clip into footrest bar and tighten screw to secure footrest



Adjust Wheel Height

1. Place device on flat surface, apply wheel brakes



2. To tighten wheel castor, loosen counter nut slightly. After loosening, turn wheel frame clockwise to tighten.



3. Adjust wheel height until air bubble on level indicator is level



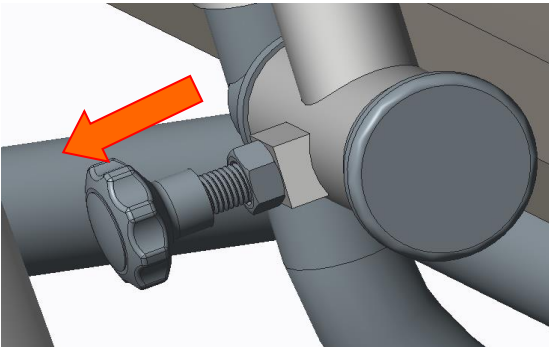
NOTE: Be careful not to lose wheels during adjustment

Raise Armrests

1. Locate knob switch for armrest



2. Pull knob switch to allow armrest to move freely

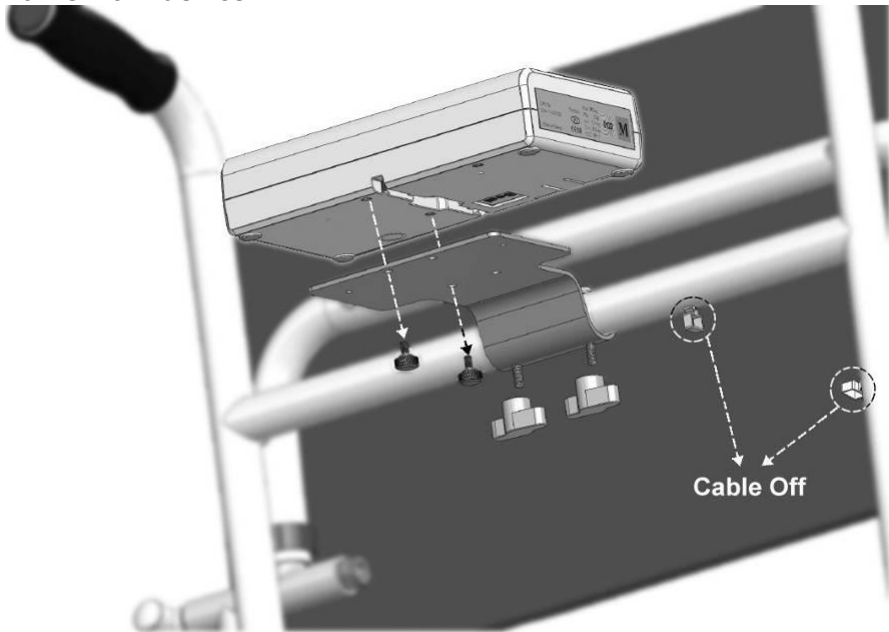


3. Armrest is now free to release



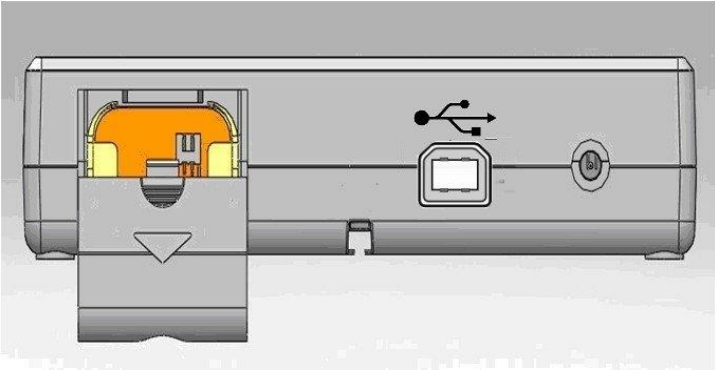
Relocate Indicator

- 1. Release cable from cable clips. Remove screws securing indicator to frame from device.

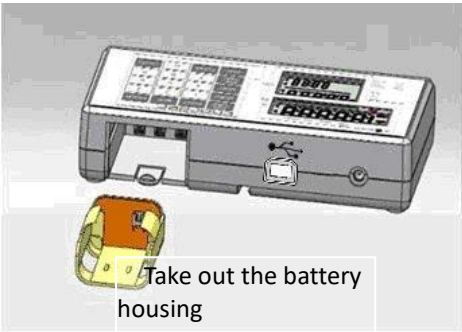
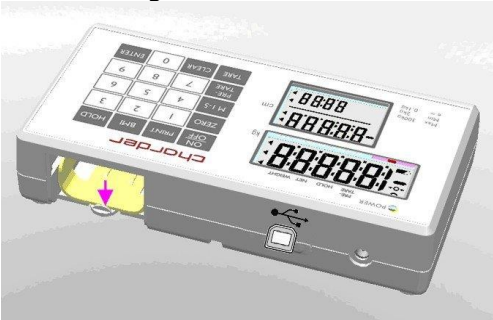


C. Inserting Batteries

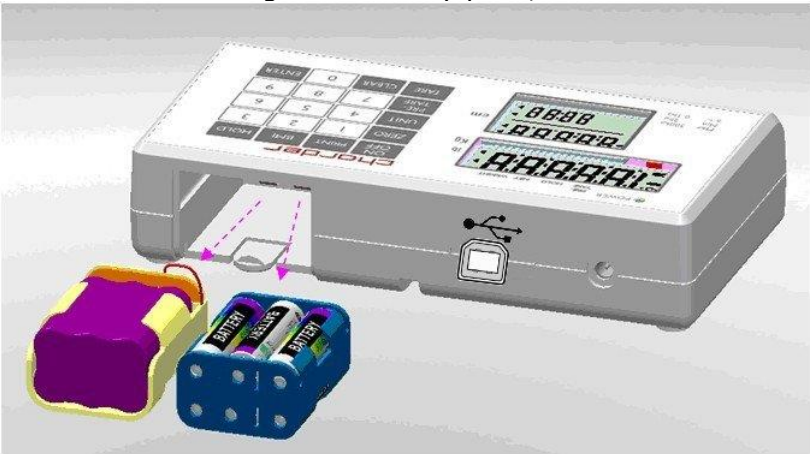
1. Open battery housing cover



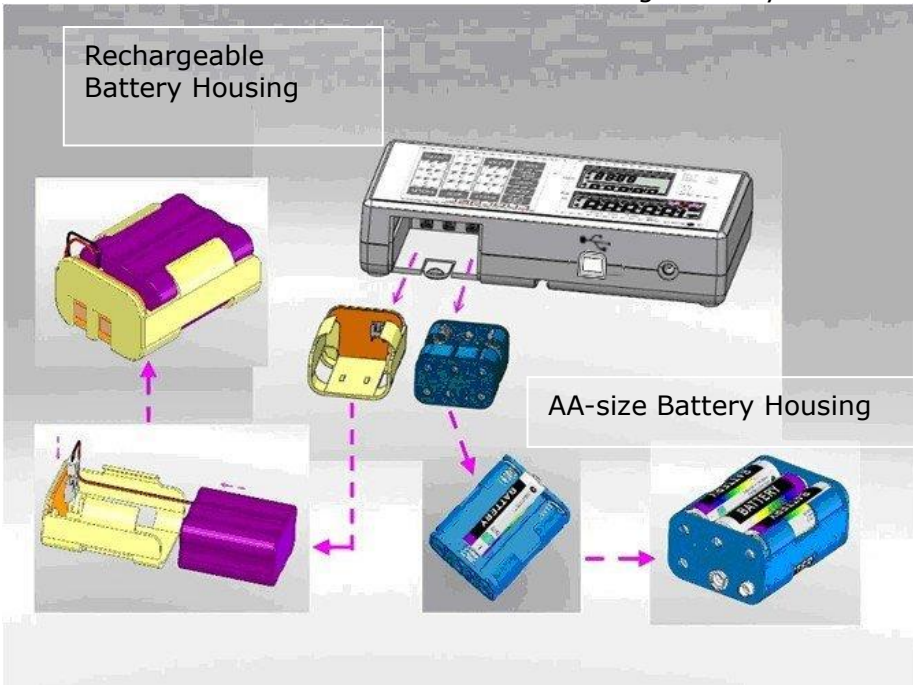
2. Accessing batteries



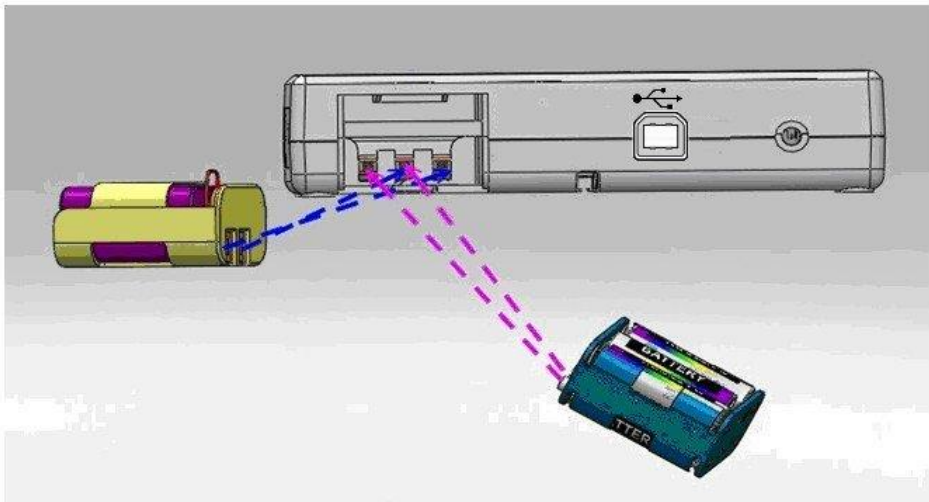
3. Use either rechargeable battery pack, or AA batteries



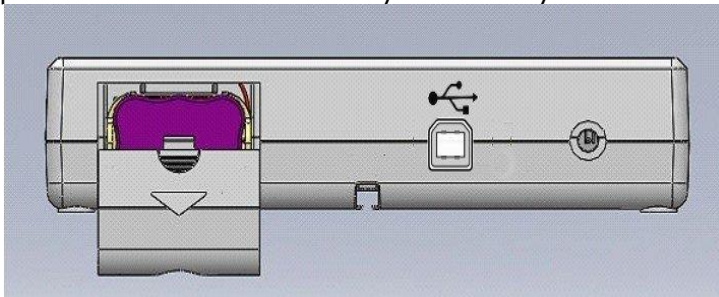
4. Ensure batteries are installed into the housing correctly



5. Install the battery housing into the compartment, and make sure the right side of housing pin is facing towards inside of the connecting position



6. Slide back the cover to close the battery housing compartment. Turn on power to confirm that battery is correctly installed.

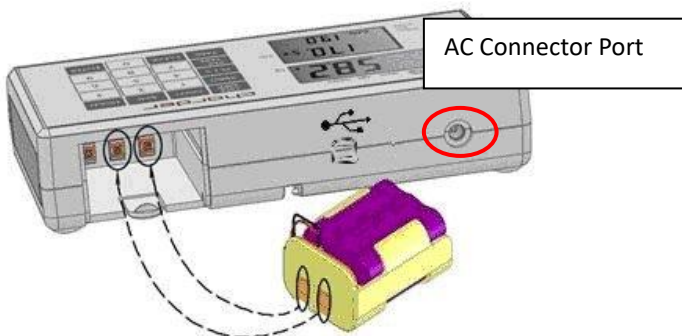


Using Rechargeable Battery (optional)

The rechargeable battery should be recharged at least once every 3 months, regardless of if the device has been used. Battery can be charged by plugging device's exclusive adapter into AC Connector Port.

After a long period in storage (e.g. >3 months), the battery should run a full cycle (charge/discharge) to allow it to restore full capacity.

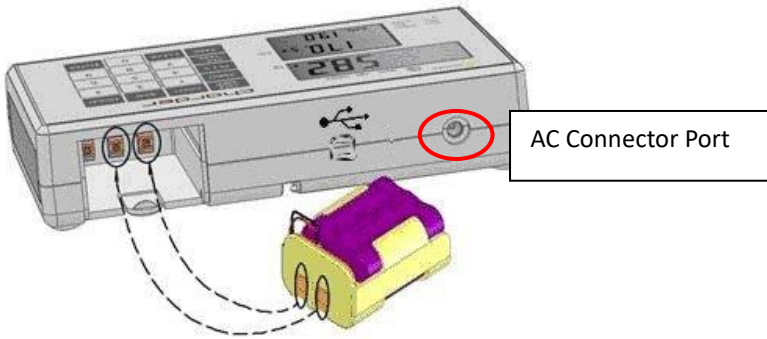
Ensure rechargeable battery housing is installed and inserted properly into the compartment.



If . Lo prompt displays on the LCD, please charge battery promptly to avoid battery damage.

D. Using Adapter

1. Connect adapter to indicator before connecting to mains power supply
2. Disconnect adapter from mains power supply before unplugging adapter pin from indicator.



III. Indicator

A. Indicator and Key Functions



(Wireless functionality optional)

Key Function

ON/OFF	Power on or power off.
ZERO	Reset display to 0.0 kg display. Press and hold for 3 seconds to enter device settings.
M1-5	Save pre-tare values (up to 5)
PRE-TARE	Pre-tare the known weight of an object (ex: chair) before beginning measurement.
TARE	Allows user to deduct weight from reading after measurement
PRINT	When printer or PC is connected to the scale, press this key to print results
BMI	Calculation of Body Mass Index
HOLD	Determine stable weighing value - used when weight is unstable. Press and hold for 3 seconds to enter time setting.
0-9	For entering digits.
CLEAR	Clear incorrect data input.
ENTER	Confirm input.

B. Display layout

Unit Mark (kg)

Indicates that the weight is shown in pounds

Power Index

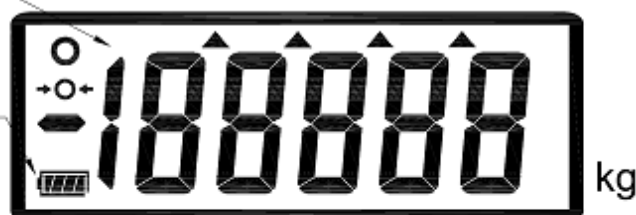
100% → 75% → 50% → 25%

○ POWER

PRE-
TARE

HOLD

NET WEIGHT

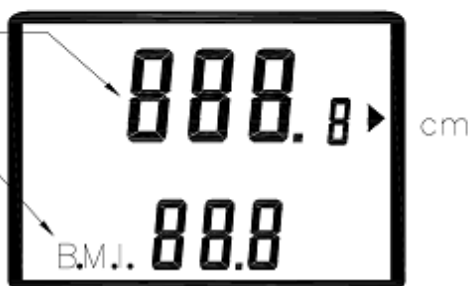


Unit of height (cm)

Indicates that the height is shown in centimeters

BMI

Body Mass Index is a height to weight ratio, and is calculated by the following formula



Definitions

Stable symbol: Indicate that weight is stable.

Zero symbol: Weight is at zero

Negative weight: Weight under zero.

Low battery: Battery needs to be charged or replaced.

IV. Using Device

A. Basic Operation

Switch on the device using  key. The device will automatically perform self-calibration, displaying software version.

Once "0.00 kg" appears on indicator, device is ready for measurement.

Note: If "0.00 kg" does not display on indicator, press  key to zero the device.

Guide subject to sit on chair. Make sure subject's feet are off the ground, and properly placed upon footrests. After the weight has stabilized, the "stable" symbol will appear on indicator.

Note: If subject's weight exceeds scale capacity, indicator will display "Err" prompt due to overload.

B. Hold

The hold function determines average weight, designed to be used if subject's weight will not stabilize (ex: an active child).

Note: if fluctuation is too severe, average weight determination will be difficult and hold may not function correctly

1. Switch on the device normally.

2. Press the  key. "HOLD" will be displayed on the indicator.

3. Guide subject to sit on chair.

4. After a few seconds, the average weight will be displayed on the indicator. This weight will be locked - at this point, subject can stand up from chair.

5. To release the locked weight, press the  key again to return to the device to normal mode.

Note: Hold function can be activated before or after subject sits in chair. However, if subject finds it difficult to sit still, we recommend activating Hold after subject is seated.

C. BMI

- 1. In normal mode, press the key to enter BMI mode.
- 2. Display will show last recorded height. Left-most digit will flash.
- 3. Enter height using numeral keys (ex: 170 cm). Input will automatically move to next digit. Press key to re-input. Press key to manually move to next digit.
- 4. After inputting height, press  to confirm.
- 5. Proceed to weigh subject as usual. Indicator will display weight, height, and BMI.
- 6. **NOTE:** Hold function can be used at this time if weight is unstable
- 6. Press key to return to normal mode.

Category	BMI (kg/m²)	Risk of obesity-related disease
Under	< 18.5	Low
Normal	18.5-24.9	Average
Over	24.9-29.9	Slightly Increased
Obese I	30.0-34.9	Increased
Obese II	35.0-39.9	High
Obese III	> 40	Very High

(World Health Organization adult BMI standards)

D. Tare

The tare function allows the user to deduct the weight of objects from the device's measurement result.

- 1. Place object that needs to be tared onto measurement platform.
- 2. Press key after stable symbol appears on indicator. Display will indicate "0.00 kg".
- 3. Guide subject (plus tared object) to sit in chair. Conduct measurement.
- 4. To clear tare value, remove all objects from measurement platform, and press key.

E. Pre-Tare

The Pre-Tare function is used to subtract the known weight of a substance prior to weighing. The device can store 5 sets of pre-tare values.

Pre-tare values can be stored using two different methods: "Load Weight", or "Input Manually".

After pre-tare weights have been stored, they can be recalled by holding the  key for 3 seconds.

A. Load Weight

DESCRIPTION	EXAMPLE
Press  key after loading weight on the platform; the indicator will display blinking "m" symbol.	
Press numeral key 1 ~ 5 to assign this number with the current pre-tare weight.	
Press  key to store pre-tare weight; the indicator will make a beep sound.	

B. Input Manually

DESCRIPTION	EXAMPLE
Press  key. Left-most digit will begin blinking. If no further action is taken within 6 seconds, indicator will return to normal mode	
While digit is blinking: Enter pre-tare weight using 0~9 keys. Ex: to pre-tare 5.0 kg of weight, press 0-0-5-0. Ex: to pre-tare 13.5 kg of weight, press 0-1-3-5. Press  key to confirm the pre-tare weight.	
Indicator will display minus sign to the left of pre-tare weight value.	
To save this pre-tare weight value in memory: Press  key; the blinking "m" symbol will appear on the display.	

Press numeral key 1 ~ 5 to assign this number with the current pre-tare weight.



Press  key to store pre-tare weight; the indicator will make a beep sound.



NOTE: Pre-tare weight must be under max capacity, otherwise screen will show 0.00 after **[ENTER]** key is pressed, and the operator will have to re-input pre-tare settings.

C. Recall Pre-Tare Weight

DESCRIPTION	EXAMPLE
Press and hold  key for 3 seconds. Indicator will display pre-tare value M1 first. The pre-tare value will flash.	
Press numeral keys 1 ~ 5 to choose pre-tare value	
Press  key to confirm which pre-tare weight to select; the device will automatically deduct pre-tare weight.	
Press  key to return to Normal Mode	

NOTE: Pre-tare weight must be under max capacity, otherwise screen will show 0.00 after  key is pressed, and the operator will have to re-input pre-tare settings.

F. Print

If thermal printer is connected to indicator, results can be printed by pressing  key.

V. Device Setup

A. Setting Time & Date

Press and hold  key for 3 seconds to enter Time Setting mode.
Example: Inputting 2008, Dec 25, 8:00am

	Year Setting Enter year using numeral keys 0-9. Press  key once completed to proceed to month & day setting.
	Month & Day Setting. Enter month, followed by day using numeral keys 0-9. Ex: December 25th is "12.25". Input 1-2-2-5. Press  key once completed to proceed to time setting.
	Time Setting Enter time (24hr format) using numeral keys 0-9. Ex: 08:00am is input by pressing 0-8-0-0. Press  key once completed to confirm time settings and proceed to confirmation.
	Device will display new time and date settings, cycling between year, month & day, and time. YYYY→MM.DD→:HH:MM Press  key to return to normal weighing mode.

B. Device Setup

When the device is switched on, press and hold the **[ZERO]** key for about 3 seconds, until the display shows the "SETUP", followed by "A. OFF" (first option in setting menu).

In device setup menu:

[TARE] to toggle next menu option

[ZERO] to toggle previous menu option

[HOLD] to confirm selection / enter submenu

Auto Power-Off: Instruct device to shut off automatically after a certain period of time.

Press **[HOLD]** to toggle between time options (120 sec / 180 sec / 240 sec / 300 sec / off), and **[TARE]** to confirm selection

Buzzer/Beep:

When function is turned on, beeping noise will be made when: indicator is turned on, keys are pressed, and weight is stable.

Press **[HOLD]** to toggle between on/off, and **[TARE]** key to confirm selection.

Hold Stop: When Hold Stop is "on", Hold will deactivate after subject leaves measurement platform.

Press **[HOLD]** to toggle between on/off, and **[TARE]** key to confirm selection.

Language: Set thermal printer language.

Press **[HOLD]** to toggle between English, Italian and Polish.

Press **[TARE]** key to confirm selection.

Font size: Set thermal printer font size.

Press **[HOLD]** to toggle between normal and double (larger). Press **[TARE]** key to confirm selection.

Bluetooth (optional): If device has Bluetooth module installed, Bluetooth function can be turned on or off.

Press **[HOLD]** to toggle between on/off, and **[TARE]** to confirm selection.

Wi-Fi (optional): If device has Wi-Fi module installed, Wi-Fi function can be turned on or off.

Press **[HOLD]** to toggle between on/off, and **[TARE]** to confirm selection.

Wi-Fi Setting (optional): If device has Wi-Fi module installed, this option will appear.

Press **[HOLD]** to toggle between "Auto" and "PKEY". Press **[TARE]** to confirm selection.

If "Auto" is selected, weight measurement will be automatically sent to connected printer or device. If "PKEY" is selected, transfer will occur manually only after **[PRINT]** key is pressed.

VI. Setup USB Connection to PC

For successful connection, PC hardware connected to device must be compatible with USB 2.0 or above. Operators should select a USB cable length that is most suitable to the operating environment.

1. Charder Smart Data Manager can be used to connect the device to a PC. The software program can be downloaded from the Charder website:

[LINK URL]<https://www.chardermedical.com/download.htm>

2. Connect USB cable to device indicator and PC. Follow installation instructions.

Program Setup

1. After installation of Charder Smart Data Manager is complete, software will automatically search for COM port. Press [**Connect**]. Once connected, [**Connect**] button will change to [**Disconnect**].

 Smart Data Manager

COM 

Connect

Gross Weight0.0kg

Tare Weight0.0kg

Net Weight0.0kg

Height0.0cm

BMI0.0

Data

Auto

Manual

First NameEnter

Last NameEnter

Patient IDEnter

Date of Birth31 / 12 / 1990

Gender

Male

Female

Please press "Connect".
Update Time:
Model:

Collect

Clear

Save as






Conducting Measurement

1. Input subject's first name, last name, patient ID, date of birth (DD/MM/YYYY), gender, and height (for BMI calculation) into software if needed. Press **[Clear]** to clear all input.

NOTE: information can also be input after weight measurement.

chorder

Smart Data Manager

COM

Connect

✖

Gross Weight

0.0

kg

First Name

Jane

Tare Weight

0.0

kg

Last Name

Doe

Net Weight

0.0

kg

Patient ID

20190201

Height

167.0

cm

Date of Birth

31 / 12 / 1965

BMI

0.0

Gender

Male

Female

Data

Auto

Manual

Please press "Connect".

Update Time:

Model:

Collect

Clear

Save as

🌐

✉

🖨

?

2. Conduct measurement. If **[Auto]** is selected, results will be transmitted from device to software automatically and displayed on the left of screen. If **[Manual]** is selected, user must press "Collect".

chorder

Smart Data Manager

COM

5

Disconnect

✖

Gross Weight

72.5

kg

First Name

Jane

Tare Weight

0.0

kg

Last Name

Doe

Net Weight

72.5

kg

Patient ID

20190201

Height

167.0

cm

Date of Birth

31 / 12 / 1965

BMI

26.0

Gender

Male

Female

Data

Auto

Manual

🔌

Data updated.

Update Time: 06/03/2020 11:40:05

Model:

Collect

Clear

Save as

🌐

✉

🖨

?

Saving & Printing Results

1. Press **[Save as]** to save measurement results as .csv file on PC. Default file name is same as user ID. (ex: 20190201.csv) To track changes and multiple measurements for the same subject, we recommend not changing the default file name.

 Smart Data Manager COM 5 Disconnect 🔍 ✕

Gross Weight72.5kg

Tare Weight0.0kg

Net Weight72.5kg

Height167.0cm

BMI26.0

Data

Auto

Manual

First NameJane

Last NameDoe

Patient ID20190201

Date of Birth31 / 12 / 1965

Gender

Male

Female

 Data updated.
Update Time: 06/03/2020 11:40:05
Model:

Collect

Clear

Save as






2. Result example:

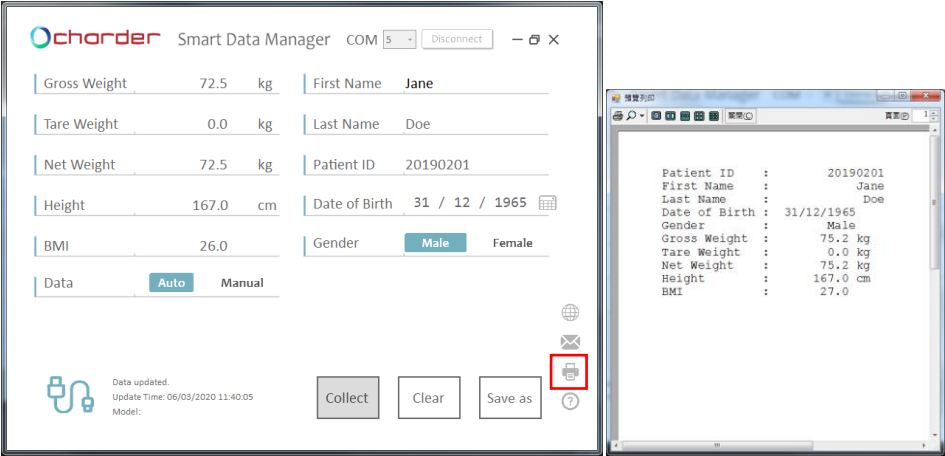
	A	B	C	D	E	F	G	H	I	J
1	Patient ID	First Name	Last Name	Date of Bi	Gender	Gross Weig	Tare Weight	Net Weight	Height	BMI
2	20190201	Jane	Doe	31/12/1965	Male	72.4 kg	0.0 kg	72.4 kg	167.0 cm	26
3										
4										
5										

If previous results were saved in "20190201.csv", new results also need to be saved as "20190201.csv" (overwriting old file) in order to save multiple results for the same subject.

	A	B	C	D	E	F	G	H	I	J
1	Patient ID	First Name	Last Name	Date of Bi	Gender	Gross Weig	Tare Weight	Net Weight	Height	BMI
2	20190201	Jane	Doe	31/12/1965	Male	72.4 kg	0.0 kg	72.4 kg	167.0 cm	26
3	20190201	Jane	Doe	31/12/1965	Male	75.2 kg	0.0 kg	75.2 kg	167.0 cm	27
4										

Results will be saved in chronological order of measurement.

3. Press the printer icon to print out result using a printer connected to the PC.



VII. Wireless Connection

If the device has the wireless or blue tooth module installed, the indicator can transmit measurement results wirelessly. Please see Charder wireless or blue tooth software instructions for details.

VIII. Troubleshooting

Before contacting your local Charder distributor for repair service, we recommend considering the following troubleshooting procedures:

Self-inspection

1. Device will not power on

- If battery power is depleted, replace with new batteries
- If batteries are not used, check if the power adapter is plugged into the device properly. Check if power adapter is plugged into mains properly

2. Indicator showing "0000" ZERO SPAN out of range

- Interference due to factors such as RF disturbance or ground vibration. Relocate device to location without interference and try again
- Unstable platform feet - adjust wheel level according to bubble level indication and try again
- External objects interfering with measurement platform. Clear platform of objects and try again
- Device may not function properly on soft surfaces such as carpets or lawns. Relocate device to location with solid, stable floor
- If the steps above cannot resolve the problem, re-calibration may be required to correct weighing accuracy

3. Connection failure for data transmission to PC or printer

- Ensure wires are connected correctly between indicator and PC or printer
- Ensure printer is supplied with power. Ensure PC software is set up properly as indicated in this manual

Distributor support required

If the following errors occur, we recommend contacting your local Charder distributor for repair or replacement services:

1. Device will not power on

- Faulty on/off key
- Broken or damaged wires causing short circuit or faulty connection

- Safety fuse burnout
- Faulty Adapter

2. Indicator damage

- Possible hardware defects include: uneven brightness in LCD screen, blurred text, smeared rainbow screen, incorrect decimal display
- Unable to save or read data
- Indicator shows "ERRL" after device is switched on
- Keys not responding
- Buzzer malfunction

Error Messages

Error Message	Reason	Action
	Low battery warning Voltage of battery is too low to operate device	Replace batteries, or plug in AC adapter
	Overload Total load exceeds device's maximum capacity	Reduce weight on measurement platform and try again
	Counting Error (too high) Signal from loadcells too high	Error normally caused by faulty loadcell or wiring. Please contact distributor
	Counting Error (too low) Signal from loadcells too low	Error normally caused by faulty loadcell or wiring. Please contact distributor
	Zero count over calibration zero range +10% while power on	Re-calibration required. Please contact distributor
	Zero count under calibration zero range -10% while power on	Re-calibration required. Please contact distributor
	Program Error Fault with device software	Error normally caused by faulty loadcell or wiring. Please contact distributor

IX. Product Specifications

A. Device Information

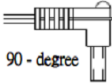
Model		MS5440
Display		DP3710
Weight Measurement	Capacity	300kg x 0.1kg
	Accuracy	±1.5e
	OIML	Class III
	LCD Screen	1.0-inch LCD screen (5 1/2 digits)
Dimensions	Overall	690(W) x 1235(D) x 945(H) mm
	Seat	Height: 540mm Width: 560 mm Back Height: 450 mm
	Armrest	Height: 700 mm
Device Weight		23 kg
Key Functions		On/Off, Zero, Print, BMI, Hold, Pre-Tare, Tare, Clear, Enter, 0~9, M1-5
Data Transmission		USB, Wireless (optional) NOTE : Device should be connected to network by qualified distributors only.
Power Supply		Rechargeable battery pack (optional) or 6 AA batteries / Power adapter
Operation Environment		0°C~+40°C 15% ~ 85% RH 700 hPa ~1060 hPa
Standard Accessories		User manual x 1 Power Adapter x 1 Connecting wire x 1 USB transfer cable x1
Optional Accessories		Thermal Printer, Height Meter

B. Power Adapter Standards



Warning

The device is only compatible with the power adapters listed below.

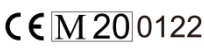
AMP VOLTAGE	DRAWING NO.	CE APPROVED TYPE NO. / MODEL NO.	TYP E	Adapter plug
12V 2A	AD-8074 (AD-0534)	UE24W4-120200SPAS	AU	 90 - degree
	AD-00041	UES24LCP-120200SPA	US	
	AD-00041	UES24LCP-120200SPA	EU	
	AD-00041	UES24LCP-120200SPA	UK	
	AD-00041	UES24LCP-120200SPA	AU	

Notes

[illegible]

X. Declaration of Conformity

Manufacturer hereby declares that this product is in conformity with the regulations and standards outlined in the following directives:

	(EU) 2017/745 Regulation on Medical Devices
	2014/31/EU Non-automatic Weighing Instruments Directive

RoHS Directive 2011/65/EU and Delegated Directive (EU) 2015/863

Radio equipment and telecommunications terminal equipment Directive 2014/53/EU
(applicable if device has wireless function)

Part 15 of the Federal Communications Statement Rules

This device may not cause harmful interference
This device must accept interference received without causing undesired operation

(Full Declaration of Conformity is available on manufacturer’s website)

Authorized EU Representative:



Obelis s.a.
Bd Général Wahis, 53
B-1030 Brussels
Belgium

Manufactured by:



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Taichung City 41262 ,Taiwan

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