Infant Scale

USER MANUAL
MS5980
Infant Scale



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 2012/19/EU. 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
	Medical electrical device, Type BF applied part
REF	Device catalogue number
EU REP	Name and address of authorized representative in the European Union (applicable for medical devices only)
MD	Device is a medical device. Text indicates device category type
LOT	Manufacturer's batch or lot number for device
SN	Device's serial number
#	Device’s model number
UDI	Device's Unique Device Identifier (01) GTIN (11) Production date (21) Serial number
e	Value in mass units. This is the difference between two consecutive display values, used to classify and verify a scale

CE 2460	Device conforms to (EU) 2017/745 Regulation on Medical Devices. Four digit number is identifier for medical device Notified Body
CE	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
III	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
FC	Device conforms to U.S. Federal Communications Commission regulations
UK CA	Device complies with all UK applicable product legislation
	Device's polarity of power.

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

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Taichung City, 41262 Taiwan

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.

For the sake of consistency, "patient" will be used to refer to infants or toddlers for the rest of this document.

Patient is placed on a tray or sling which is attached to a weighing platform for the device to measure patient weight.

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 (subject to size limitations of device and maximum capacity)
(b) Weight: no restrictions within device weight capacity
(c) Patient Conditions: require measurement of body weight. Can fit upon device.

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. Infant 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

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.

Cleaning

Device surface should be cleaned using alcohol-based wipes.

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.

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	The product is suitable for use in all establishments other than domestic and those directly connected to a low voltage power supply network which supplies buildings used for domestic purposes.
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.
Radiated RF IEC 61000-4-3	3 V/m 80MHz to 2,7 GHz	3 V/m 80MHz to 2,7 GHz	**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:
			

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.

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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.

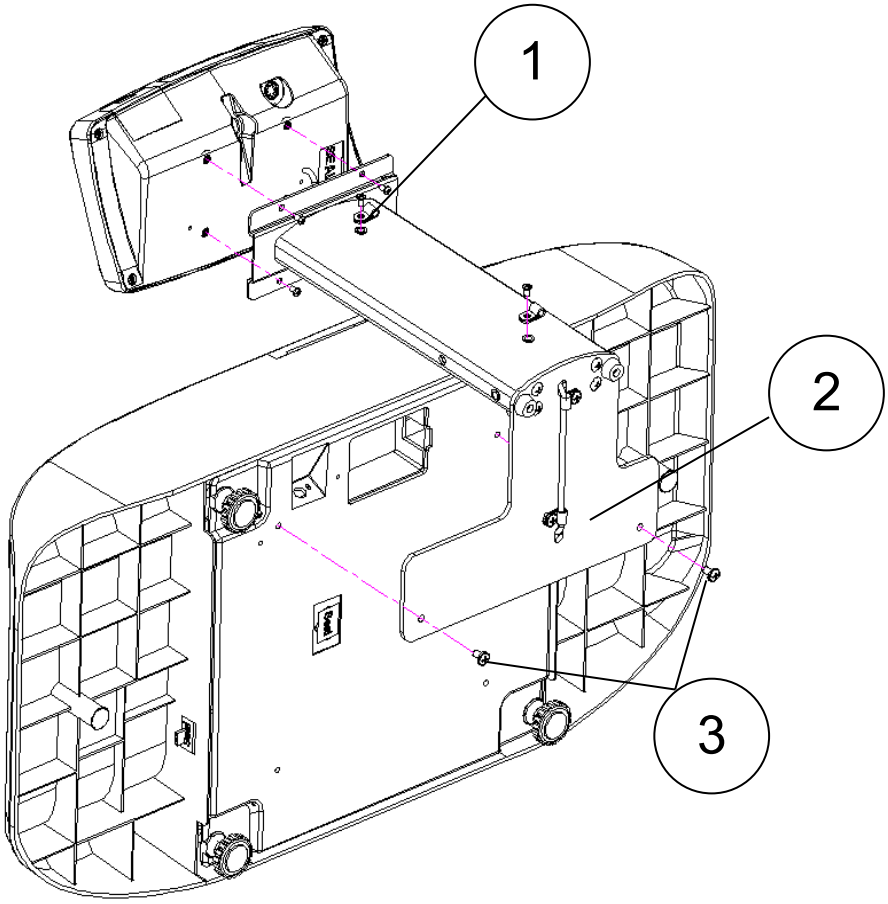
NOTE1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

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. Column Installation

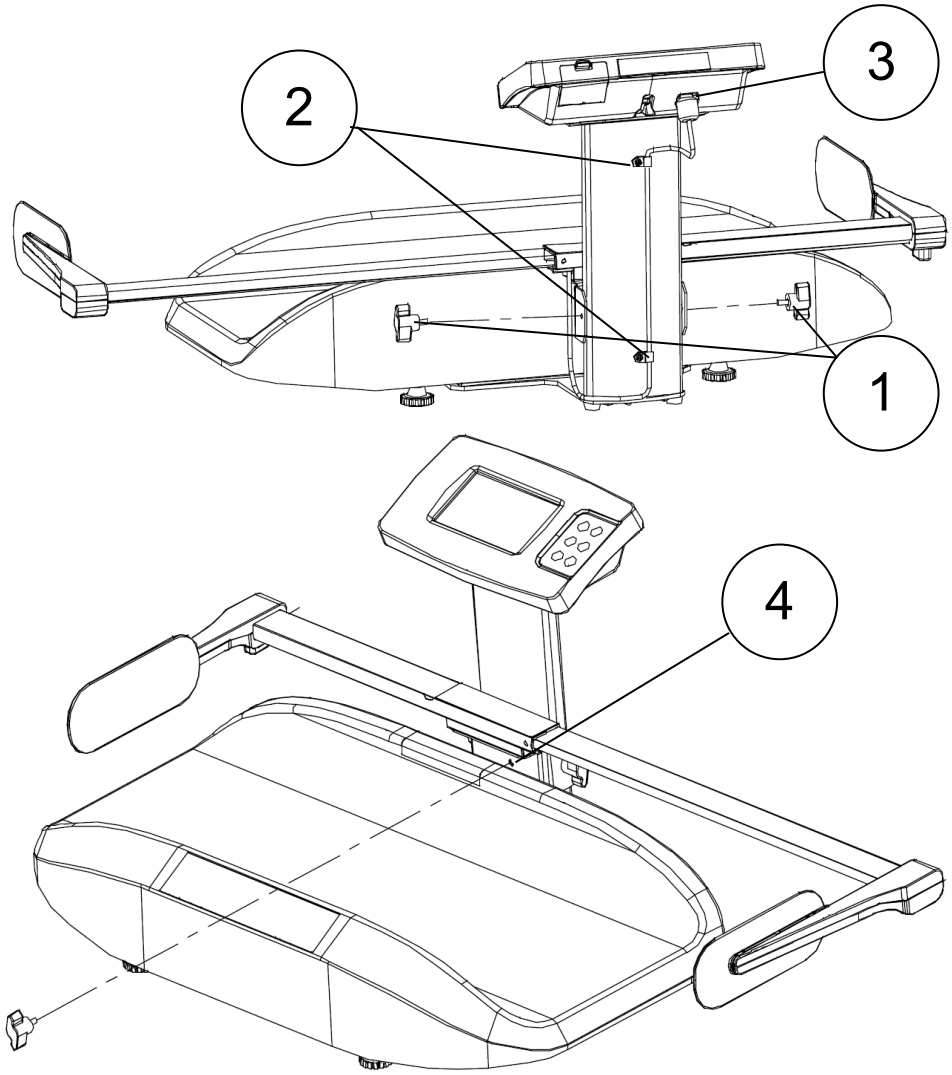
1. Attach DP4800 indicator to bracket (1)
2. Align column base with screw holes at bottom of platform (2)
3. Insert and tighten screws (3)



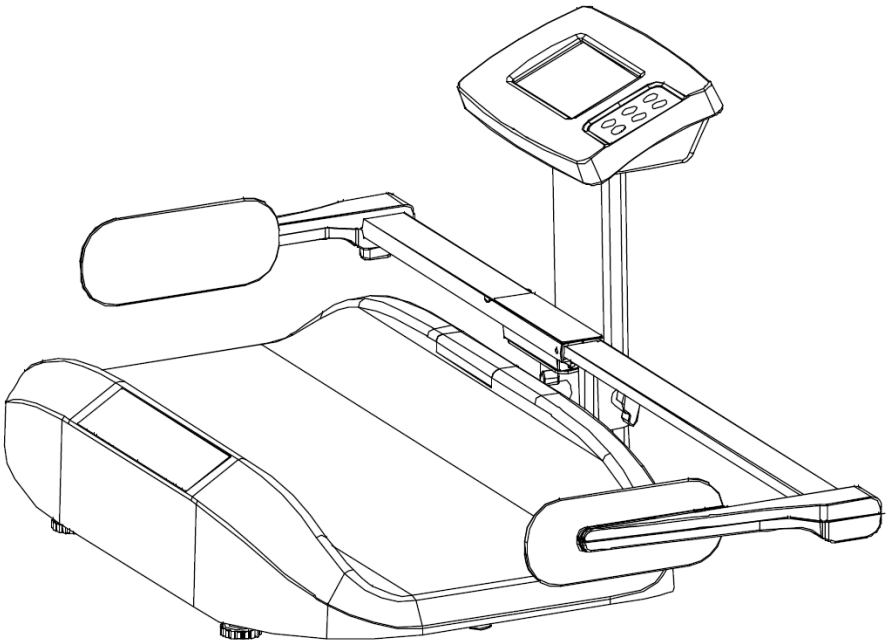
B. Optional Accessories

Assemble digital stadiometer

1. Align stadiometer's bracket with screw holes on the column and tighten hand knobs (1)
2. Screw brackets onto column, and insert transfer cable into brackets (2)
3. Plug-in stadiometer transfer cable connector into the display (3).
4. Tighten hand knob screw in the front screw hole (4).



Assembly completed.



Accessories

a. Height Stadiometer

- HM80DT Digital Height Stadiometer
- HM80D Digital Height Stadiometer
- HM80M Mechanical Height Stadiometer

b. Barcode Scanner

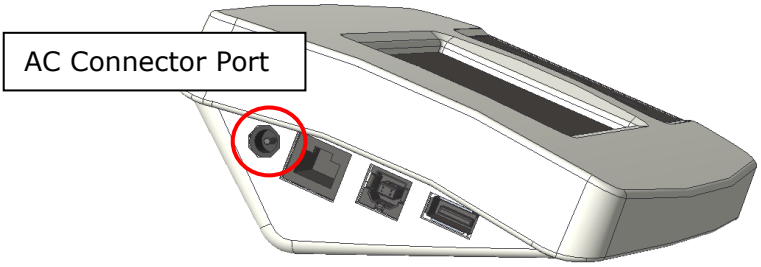
- AS-9300 Infrared Barcode Scanner

C. Using adapter and charging battery

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.

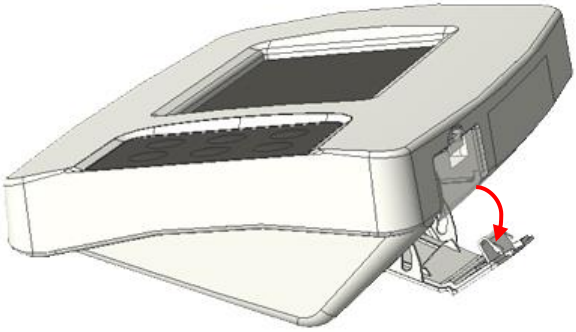
Ensure rechargeable battery housing is installed and inserted properly into the compartment.



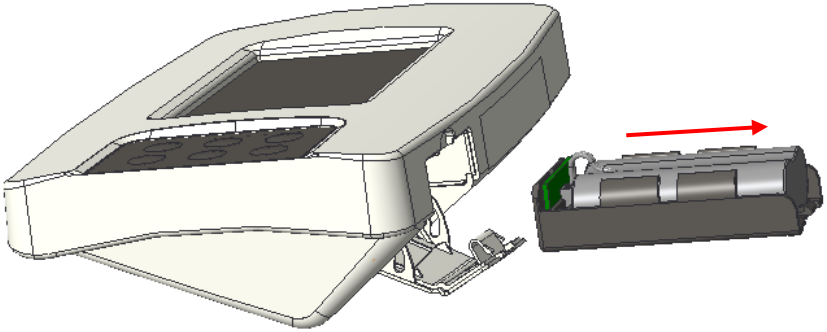
If  prompt displays on the LCD, please charge battery promptly to avoid battery damage.

D. Replacing Rechargeable Battery Pack

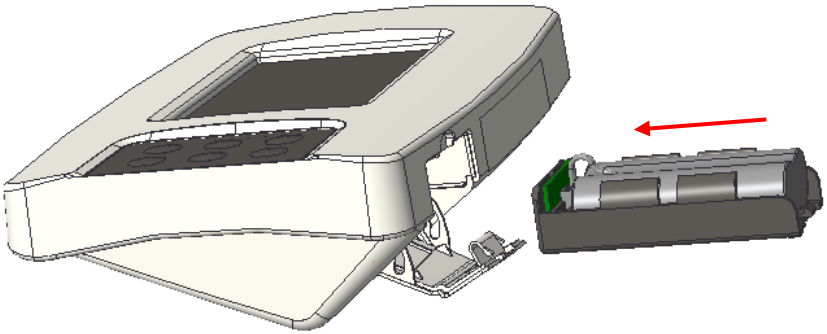
1. Open battery housing cover



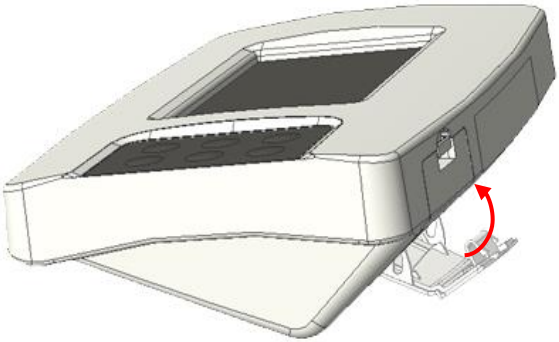
2. Accessing batteries



3. Place new battery pack into housing, and insert into indicator

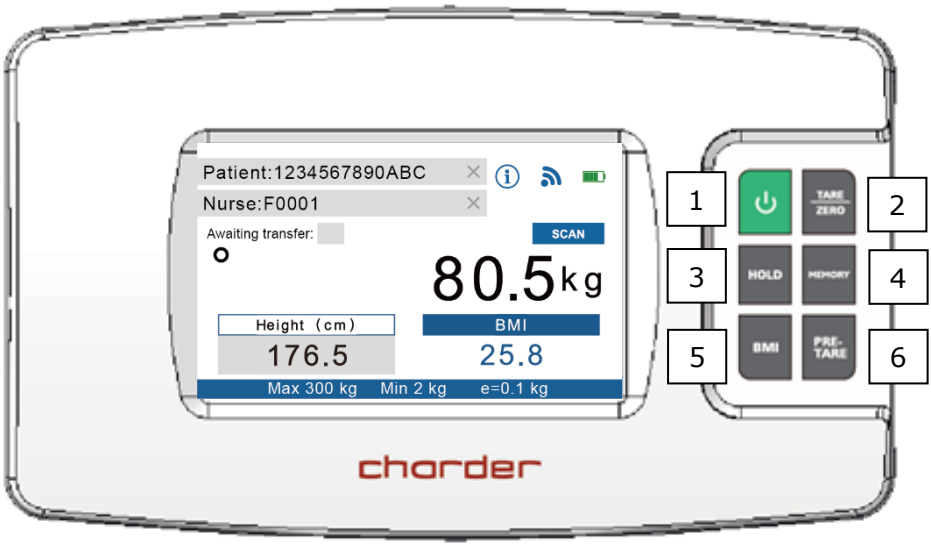


4. Close battery housing compartment cover. Turn on power to confirm that battery is correctly installed.



III. Indicator

A. Indicator and Key Functions



Key Function

1. POWER: Power on or power off.

2. TARE/ZERO: Reset display to 0.0 kg display. Press and hold for 6 seconds to enter device settings.

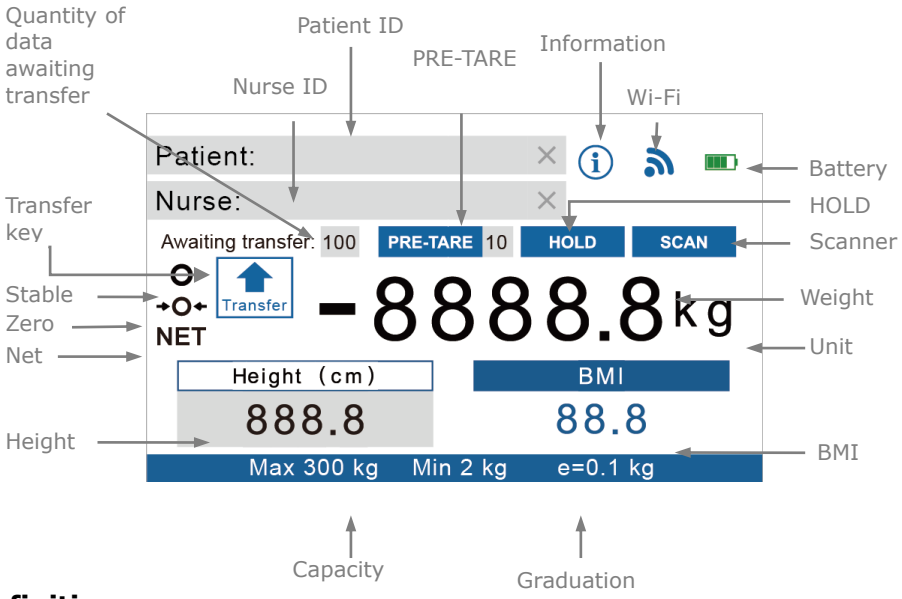
3. HOLD: Determine stable weighing value - used when weight is unstable.

4. MEMORY: Save pre-tare values (up to 10 sets can be stored in device memory)

5. BMI: Calculation of Body Mass Index

6. PRE-TARE: Pre-tare the known weight of an object (ex: chair) before beginning measurement.

B. Display layout



Definitions

Quantity of data awaiting transfer: If device is not connected wirelessly, measurement results will be temporarily stored in device. Once device is connected, operator can press **Transfer** to send results wirelessly. After transfer is complete, number will revert to "0"

PRE-TARE: If Pre-Tare function is active, this indicates which pre-tare value is being used.

HOLD: Will appear if Hold is active. (Hold needs to be activated in order to save and transfer results)

SCAN: Will appear if compatible barcode scanner is plugged into device

Transfer: After measurement is completed, height/weight result can be transferred wirelessly (if Hold is active). Press **[Transfer]** to send results.

Wi-Fi: Indicator will reflect current Wi-Fi connectivity status.

disconnected connected

IV. Basic Operation

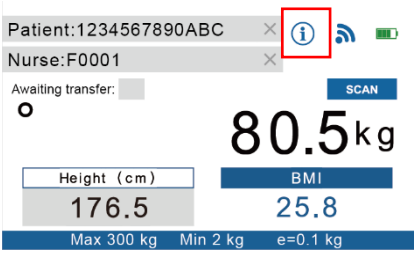
1. Switch on the device using ⏻ key. The device will automatically perform self-calibration
2. Once "0.0" appears on indicator, device is ready for use

NOTE: If "0.0" does not display on indicator, press **[TARE/ZERO]** key to zero the device.

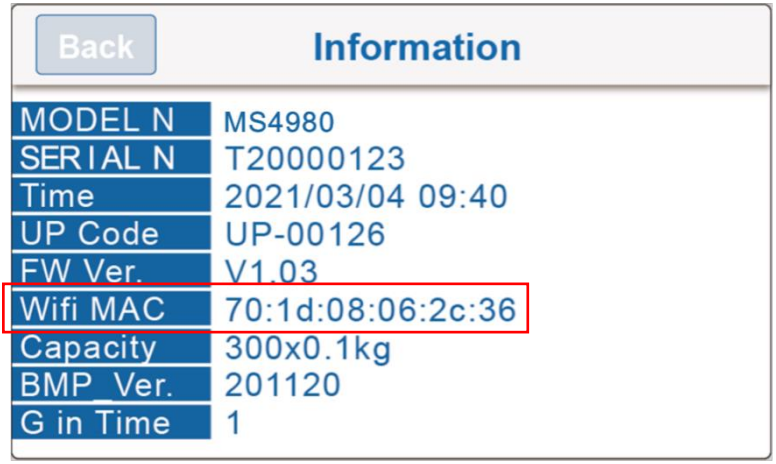
A. Setup wireless data transfer

Direct Wi-Fi data transfer

NOTE: If results do not need to be transferred after measurement, this step can be skipped.



1. The device acts as an Access Point that can be connected to via Wi-Fi. To ensure that the phone/tablet/PC connects to the correct device, first identify the device's MAC Address by clicking ⓘ



2. The "name" of the device's Wi-Fi Access Point will be "DP4800_(MAC Address)" The default password to connect to the device is "00000000"

NOTE: The Model No. displayed in Information will vary depending on the device model.

3. After the phone/tablet/PC is connected to the device, the wireless symbol will change from to 

4. Device is now ready to send results wirelessly to phone/tablet/PC.
5. Before or after measurement, press the **[HOLD]** key. "HOLD" will be displayed on the indicator. HOLD must be active, to transfer results.

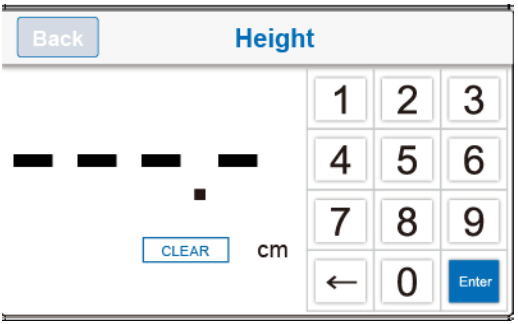
NOTE: by default, patient ID, weight, and height must be filled in to transfer results. Otherwise, **[Transfer]** button will not appear. To allow transfer of "incomplete" results, please change settings (press and hold **[TARE/ZERO]** key for 6 seconds to enter settings).

B. Weight measurement

1. Carefully place infant on measurement tray. After a few seconds, the average weight will be displayed on the indicator. This weight will be locked - at this point, infant can be removed from measurement tray.
2. If BMI calculation is unnecessary, press [Transfer] button to send results wirelessly. If device is not currently connected, results will temporarily be stored in device memory (number of records saved indicated by 'Awaiting transfer'). After transfer is complete, number will revert to "0"

C. BMI calculation

1.Press the **[BMI]** key to enter BMI mode.



2. Enter height using numeral keys (ex: to input 170 cm, press 1-7-0-0). Press **[CLEAR]** key to re-input.

NOTE: If digital height rod is attached to device, manual input will be disabled, and height result will be transferred automatically to indicator.

3. After inputting height, press **[Enter]** to confirm.
4. Proceed to weigh subject as usual. Indicator will display weight, height, and BMI.
5. To transfer results, ensure that HOLD is active, and press **[Transfer]** button to send results wirelessly. If device is not currently connected, results will temporarily be stored in device memory (number of records saved indicated by 'Awaiting transfer'). After transfer is complete, number will revert to "0"

D. Tare

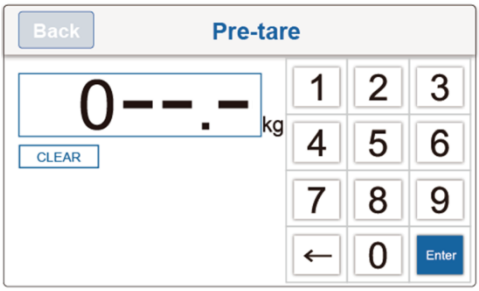
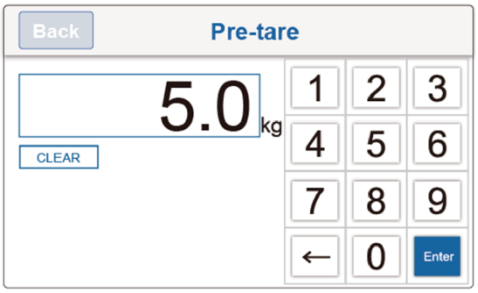
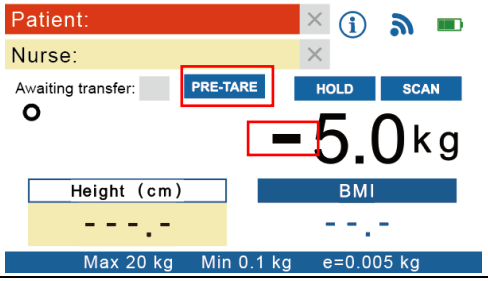
The tare function allows the user to deduct the weight of objects from the device's measurement result.

1. Place object that needs to be tared onto measurement tray.
2. Press **[TARE/ZERO]** key after stable symbol appears on indicator. Display will indicate "0.0".
3. Carefully place infant on measurement tray (plus tared object). Conduct measurement.
4. To clear tare value, remove infant and all objects from measurement tray, and press **[TARE/ZERO]** key.

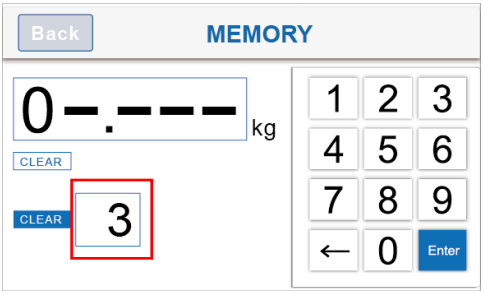
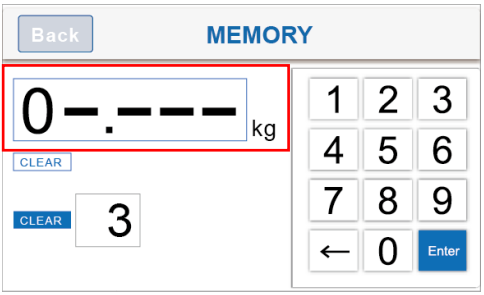
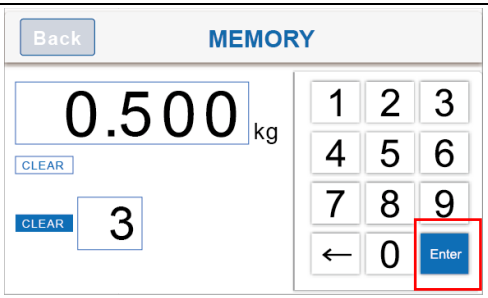
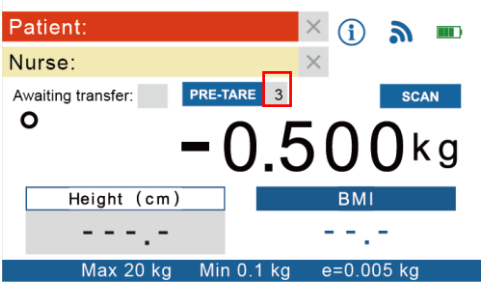
E. Pre-Tare

The Pre-Tare function is used to subtract the known weight of a substance prior to weighing. The device can store 10 sets of pre-tare values in memory. Once pre-tare weights have been stored, they can be recalled by pressing the **[MEMORY]** key.

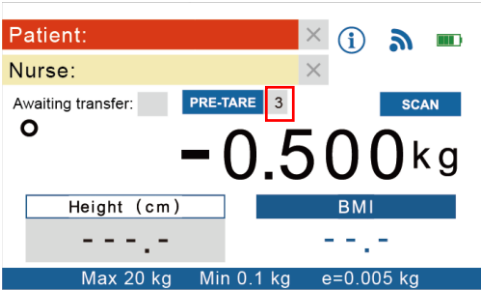
Input Pre-Tare Value

DESCRIPTION	EXAMPLE
Press **[PRE-TARE]** key. Input pre-tare weight value, starting from the left	
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 **[Enter]** key to confirm the pre-tare weight.	 
Device will return to measurement mode. Indicator will display minus sign to the left of pre-tare weight value.	

Save a Pre-Tare value

DESCRIPTION	EXAMPLE
Press and hold **[MEMORY]** key for 3 seconds. Input the number for this pre-tare setting (between 01-10). Ex: To save memory set 3, press 0-3.	
Press the weight value box on the screen (marked in the red box to the right) Enter pre-tare weight using 0~9 keys. Ex: to pre-tare 0.5 kg of weight, press 0-0-5-0-0.	
Press **[Enter]** key to store pre-tare weight (saved to memory set 3, in this example)	
PRE-TARE ID will show Pre-Tare memory set 3 as active, and deduct the pre-tare value (0.5 kg, in this example) from the displayed weight result.	

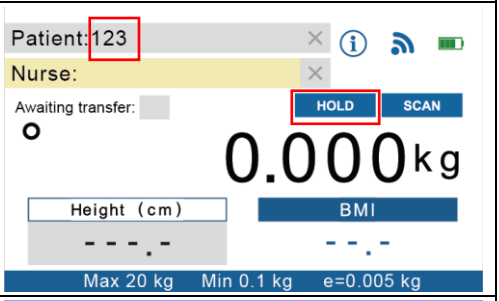
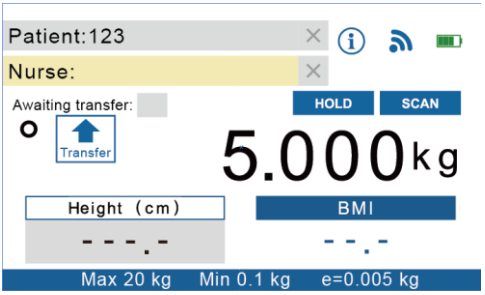
Recall Pre-Tare Value

DESCRIPTION	EXAMPLE
Press **[MEMORY]** key to toggle between Pre-Tare settings saved in device (between 01-10). **NOTE**: to add new Pre-Tare value, please press and hold **[MEMORY]** key for 3 seconds to enter settings (see "Save a Pre-Tare value" above)	

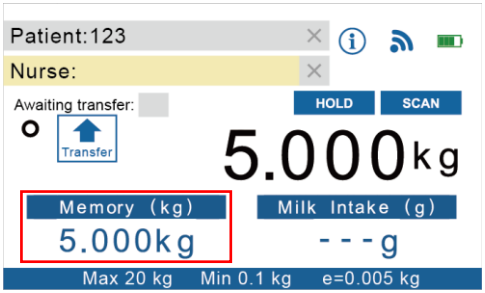
F. Milk-Intake

Prior to feeding, weight infant normally, and press **[MEMORY]** to save pre-feeding weight. After feeding is complete, measure again and device will automatically calculate milk intake.

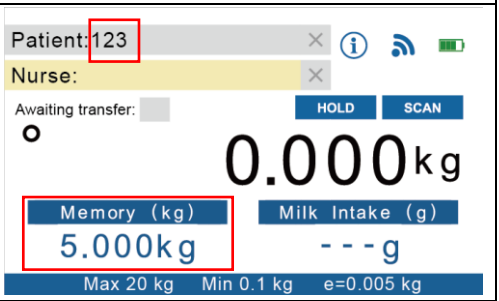
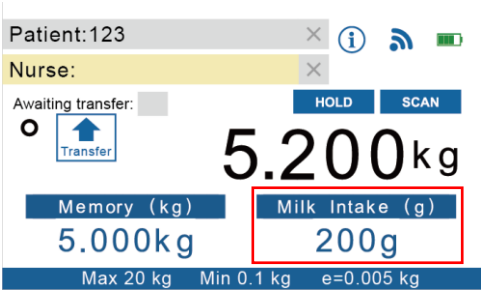
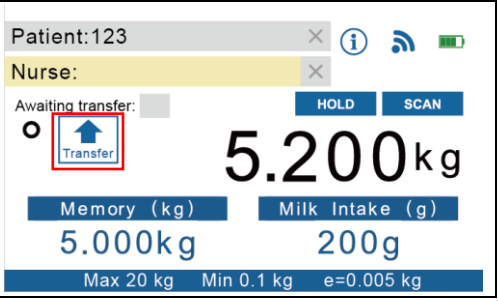
Before feeding

DESCRIPTION	SCREEN
Input patient ID, and press **[HOLD]** key to activate weight lock.	
Place infant on measurement platform, and wait for weight to stabilize (Example: infant weight prior to feeding is 5.000 kg)	

Recall Pre-Tare Value

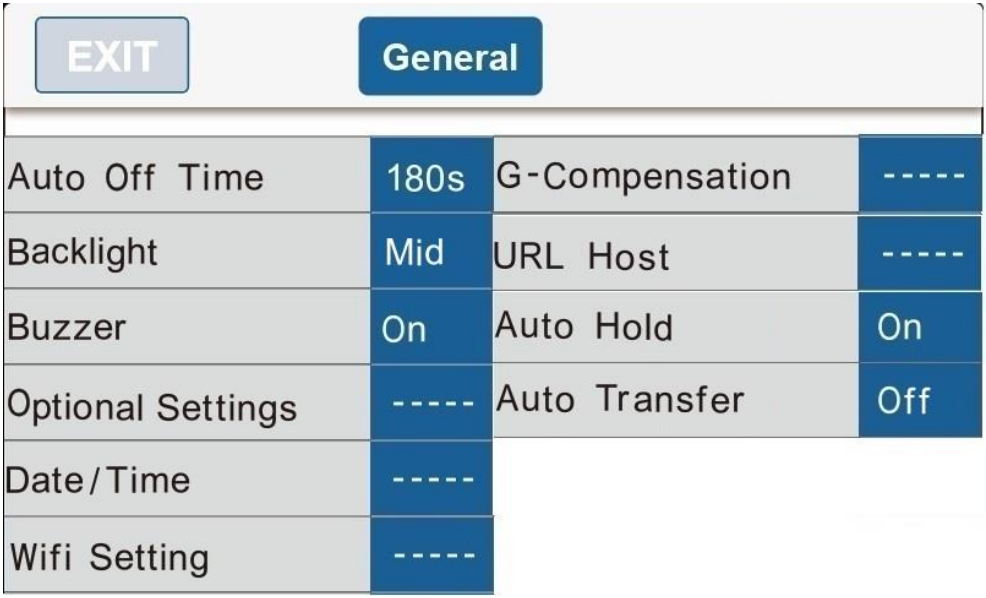
Press **[MEMORY]** key to save infant's pre-feeding weight in memory.	

After feeding

DESCRIPTION	SCREEN
Input patient ID. Screen will automatically display previously saved pre-feeding weight. (5.000 kg in this example) *If you need to clear previously saved weight, press and hold **[TARE/ZERO]** key for 3 seconds.	
Press **[HOLD]** key to activate weight lock. Place infant (after completing feeding) on measurement platform, and wait for weight to stabilize. (Example: infant weight after feeding is 5.200 kg) Milk intake will be automatically calculated and displayed (200g in example)	
Press **[Transfer]** key to send measurement result (5.200 kg in example) and milk intake amount (200g in example) wirelessly to receiving device.	

V. Device Setup

Press and hold **[TARE/ZERO]** key for 6 seconds to enter General Setting mode.



Press menu options on the touchscreen to adjust settings.

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

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

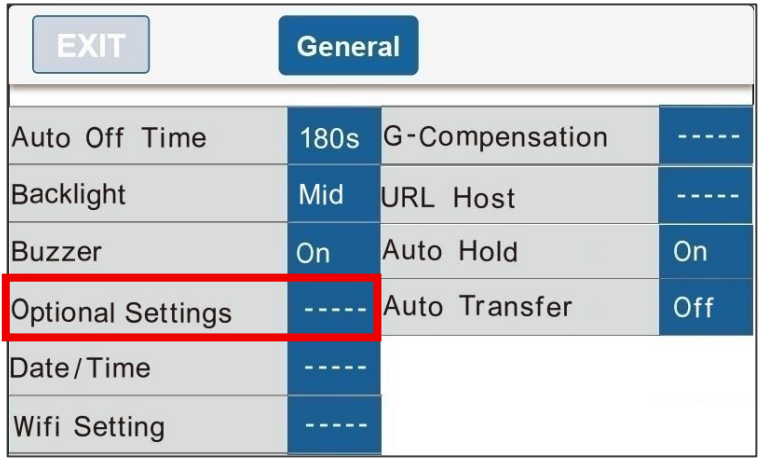
Backlight: Adjust backlight brightness.
Options: Low / Mid / High

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

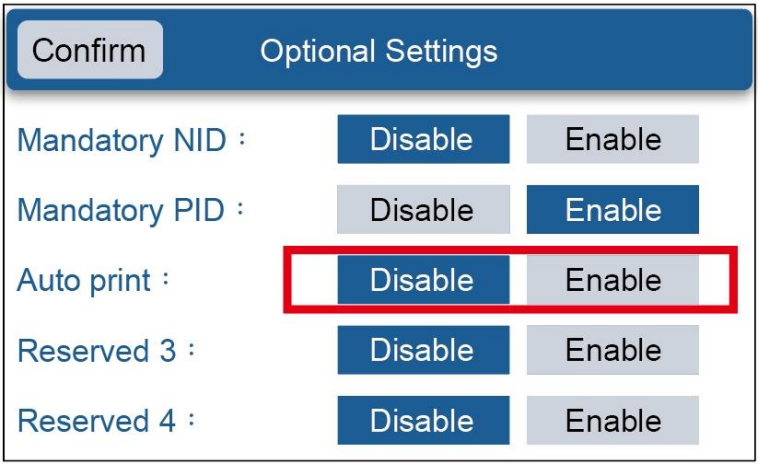
Optional Settings:
1.If enabled patient ID or nurse ID, all data fields (patient ID or nurse ID , weight) need to be completed to transfer data.
If disable patient ID and nurse ID, meaning only got weight data is enough to make data transfer.
Additionally, if required field is not incomplete (ex. weight, or ID is missing), can't transfer data.

2.AUTO PRINT If the AUTO PRINT function in the settings is enabled, you can use the print stored data function. If the AUTO PRINT function in the settings is disabled, the print function will be unavailable.

A.



B.



Date/Time: Set device time. (Format: YYYY/MM/DD HH:M)

WiFi Setting: Send results via direct transfer or via network (set Access Point if selected)

G-Compensation: Authorized distributor can adjust gravity compensation value (password required)

URL Host: Set IP address (ex: 192.168.0.1). Please note that if server is restarted, another IP may be automatically assigned. If IP change occurs, please re-input correct IP once more to complete settings.

Auto Hold: Determine if hold function will be automatically activated on start-up

Auto Transfer: Determine if results will be automatically transferred after measurement completion

VI. Connecting scale to receiving device

The scale is designed to transfer results wireless to receiving device. Please consult instruction manual for receiving device.

Connection directly to Electronic Medical System should be conducted by qualified distributors/administrators only.

VII. 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

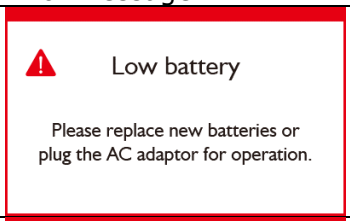
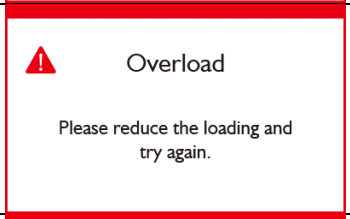
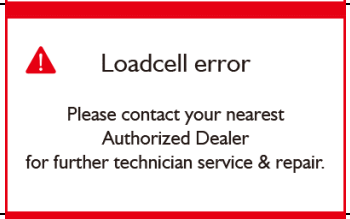
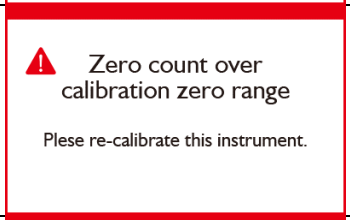
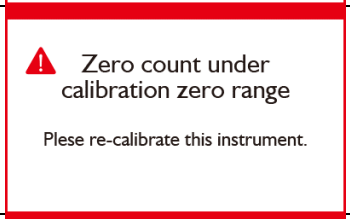
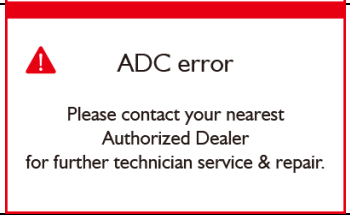
2. Indicator showing "00000" ZERO SPAN out of range

- Interference due to factors such as RF disturbance or ground vibration. Relocate device to location without interference and try again
- Unstable platform feet - adjust platform feet according to bubble level indication (clockwise to retract, counter-clockwise to extend) 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

Error Messages

Error Message	Action
	Please charge battery using adapter, or replace battery
	Maximum weight exceeded. Reduce weight on platform before attempting measurement
	If problem persists, please contact distributor
	Re-calibration may be required. If problem persists, please contact distributor
	Re-calibration may be required. If problem persists, please contact distributor
	If problem persists, please contact distributor

VIII. Product Specifications

A. Device Information

Model		**MS5980**	
Indicator		**DP4800**	
Weight Measurement	**Capacity**	(15 kg model) 0-6 kg x 2g 6-15 kg x 5g	(20 kg model) 0-10 kg x 5g 10-20 kg x 10g
	Accuracy	±1.5e	
	LCD Screen	Color LCD touchscreen	
Dimensions (approximate)	**Overall**	660(W) x 484(D) x 363(H) mm	
	Platform	660(W) x 250(D) x 60(H) mm	
	Column	363 mm	
Device Weight (approximate)		6.0 kg	
Key Functions		Power, Tare/Zero, Hold, Memory, BMI, PRE-TARE	
Data Transmission		USB, Wireless **NOTE**: Device should be connected to network by qualified distributors only	
Power Supply		Rechargeable battery pack / adapter	
Operation Environment		+5℃ ~ +35℃ 15% ~ 85% RH 700 hPa ~ 1060 hPa	
Standard Accessories		User manual*1, Power Adapter*1	
Optional Accessories		Height Stadiometer, Barcode Scanner	

B. Power Adapter Standards

Warning

Only the original adapter should be used with the device. Using an adapter other than the one provided by Charder may cause malfunction.

Amp Voltage: 5V/2A
Drawing No: CD-AD-00023

AMP VOLTAGE	DRAWING NO.:	CE APPROVED TYPE NO. / MODEL NO.:	TYPE	Adapter plug
5V 2A	AD-00023	UES12LCP-050200SPC	US	
5V 2A	AD-00023	UES12LCP-050200SPC	EU	
5V 2A	AD-00023	UES12LCP-050200SPC	UK	
5V 2A	AD-00023	UES12LCP-050200SPC	AU	
5V 2A	AD-00023	UES12LCP-050200SPC	SA	

Notes

IX. Declaration of Conformity

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

CE 2460	**(EU) 2017/745 Regulation on Medical Devices**
CE M 20 0122	**2014/31/EUNon-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:

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

Manufactured by:
Charder Electronic Co., Ltd.
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Taichung City 41262 ,Taiwan

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