Manufactured for:
**Smart Meter, LLC**
5501 W. Waters Ave. Suite 401
Tampa, FL 33634

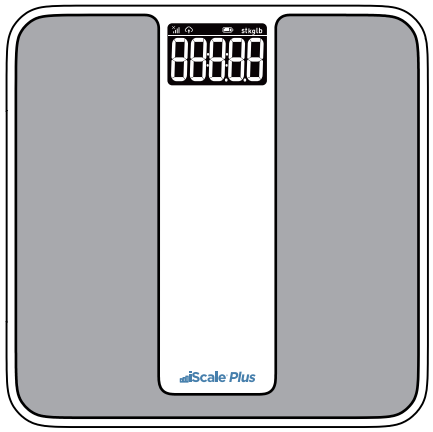
SC-O-ICSUM-U-0223

version:1.0

SMARTMETER
Engaging Health Data

# User Manual

## iScale Plus Cellular Weight Scale
## Model SMSC2001-G1-001




Thank you for selecting the Smart Meter iScale Plus.

- Please read the user manual carefully and thoroughly to ensure the correct and safe usage of this product. Keep the manual for additional reference in the future.

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## ♥ Symbol Meaning

The warning signs and symbols are essential to ensure your correct and safe use of this product and protect you and others from injury. Please kindly find the meanings of the warning signs and symbols, which you may encounter in the lable and user manual, as follows:

| | | | |
|---|---|---|---|
| | Refer to instruction manual/booklet<br>To signify that the instruction manual/ booklet must be read.(The background color of the symbol is blue.) | | Type BF applied part |
| | Direct Current | SN | Serial Number |
| | General symbol for recovery/recyclable | | Date of manufacture |
| | Caution<br>Indicates that caution is necessary when operating the device or control close to where the symbol is placed, or that the current situation needs operator awareness or operator action in order to avoid undesirable consequences. | | |
| | The symbol indicates that the product should not be discarded as unsorted waste but must be sent to separate collection facilities for recovery and recycling. | | |

CAUTION

The iScale Plus Cellular Weight Scale offers you a way to manage your health. Please be aware that this device is designed for children(10-17 years old) and adults' self-measuring. Any information provided by this device is in no way meant to treat, cure or prevent any disease or illness from happening.

This device is contraindicated for any female user who may be pregnant.

The iScale Plus Cellular Weight Scale is equipped with data transmission function. It may emit electromagnetic energy so as to perform its intended function. Nearby portable and mobile RF communications equipment can affect the performance of the device.

Portable and mobile RF communications equipment can affect the measuring accuracy of the iScale Plus Cellular Weight Scale.

Kindly note that the use of accessories, transducers or cables other than those specified, with the exception of transducers and cables sold by the manufacturer as replacement parts for internal components, may result in increased EMISSIONS or decreased IMMUNITY of the device.

Be aware that misuse of electrical equipments can cause electric shock, burns, fire and other hazards. Please do not use the device in flammable gas environment.

Warning that the iScale Plus Cellular Weight Scale should not be used adjacent to or stacked with other equipment.

Manufacturer will make available on request circuit diagrams, component parts list, etc.

WARNING:No modifications of this equipment is allowed.

During measuring, the patient will contact with the upper surface of the scale. The ABS plastic surface of the scale is type BF Applied part.

The device doesn't need to be calibrated in five years lifetime.

Do not touch the output of batteries when using the scale.

The patient is an intended operator. The patient can perform all the operations in the manual, such as measurement, data transmitting, changing batteries.





**INDICATIONS FOR USE**

- The Smart Meter iScale Plus Cellular Weight Scale Is intended for adults and children (10-17 years old) to measure weight at home.

## ♥ Your iScale Plus and Its Environment

**To ensure your safety as well as the service life of your scale, please avoid using the scale under the following circumstances:**

- Slippery floor such as tile floor
- Jumping onto the platform immediately after bath or with wet feet
- Near a cell phone or microwave oven

**Avoid storage in the following locations:**

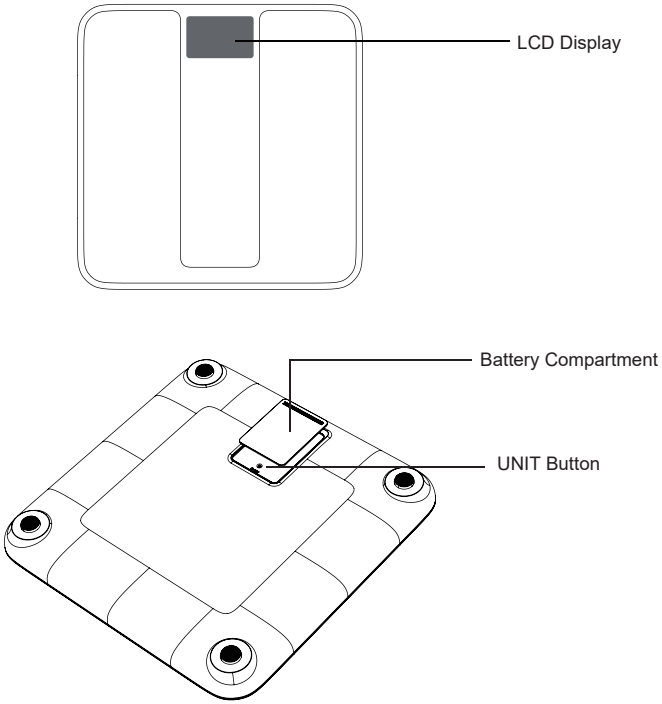
- Where there is water
- Where the device may be exposed to extreme temperatures,humidity,moisture,direct sunlight, dust, or salt air
- Where there is risk of shock or drop
- Where you store chemicals or corrosive gases
- Where in reach of the infants or children

## ♥ Efficient Use of Your iScale Plus

**To ensure the accuracy of measurement, please follow below instructions when you start measurement.**

- Place the scale on a flat, hard surface. Soft surface such as carpet will affect the performance of the scale.
- Start measurement at least two hours after waking up or dinning.
- Avoid measurement immediately after strenuous exercise, sauna or bath, drinking, and dining.
- Always start measurement in the same time slot and on the same scale located on the same flat, hard surface.
- This device is not intended for use in an oxygen rich environment.
- Any information provided by this scale is in no way meant to treat, cure or prevent any disease or illness from happening. If in doubt, contact your physician.
- It is intended for use in the home only.

## ❤ Device Components



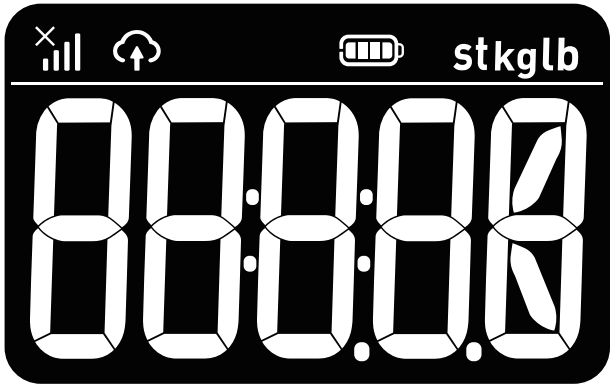

## ❤ List

1. iScale Plus Cellular Weight Scale
2. Four AA-size Batteries (1.5V per each)
3. User Manual
4. Quick Start Guide





## ❤ LCD Display




| | | | |
|---|---|---|---|
| kg | Kilogram | | Signal symbol |
| st lb | Stone | | Data transmitting |
| lb | Pound | | Battery symbol |

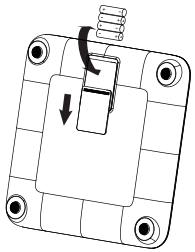
## ❤ General Instructions

The Smart Meter iScale Plus Cellular Weight Scale operates utilizing SENSE ON technology. The sensitive SENSE ON technology offers convenience for the user.

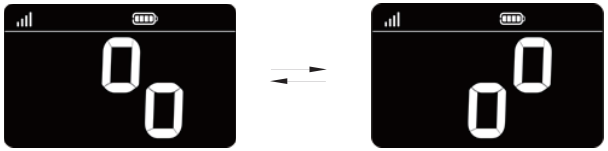
## ❤ Insert Batteries and Pair-up

- Open the battery door in the back of the scale.
- Insert the batteries (4 x 1.5V AA) into the battery compartment according to the polarity indications marked inside the compartment.

  * The all digits will be shown on the LCD.



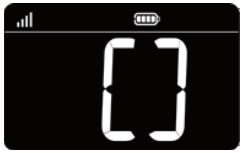
- The scale will be automatically pair-up with the system when used for the first time. The signal symbol will be displayed at the same time, which indicates the quality of the network signal.



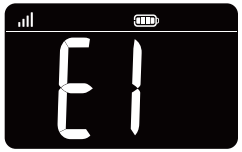




If SUCCEED, symbol “[ ]” will be shown on the LCD.



If FAIL, the corresponding error prompt will be shown on the LCD. Please refer to Page 9 for more information.



Lay the scale on the floor and it will turn off in 10 seconds.

The signal symbol displays the following status:

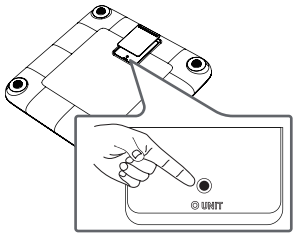
Strong Medium General Weak No Signal

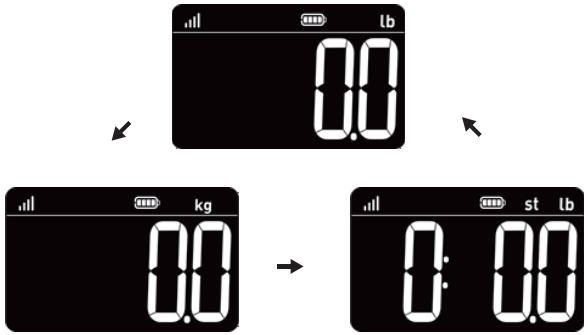
**CAUTION**

- When the symbol “ ” and “ Lo” appear, the device will power off. Then you should replace with a new set of batteries. Please replace all four batteries at the same time. Do NOT mix the old batteries with the new ones.
- Worn batteries are hazardous waste. Do NOT dispose of them together with the household garbage.
- Please refer to the local ordinances and recycling instructions regarding disposal of the worn batteries and scrapped device.
- Do not mix alkaline, standard (carbon-zinc), or rechargeable (Ni-Cd, Ni-MH, etc) batteries.
- If you do not intend to use this unit for a prolonged period of time, it is advisable to remove the batteries before storing.
- If using the scale three times a day, and the lifetime of batteries should be one year.

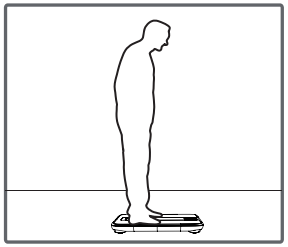
## ❤ Select Measurement Unit

With batteries correctly installed, you will see the black “UNIT" button in the battery door. Press it to select measurement unit. The default measurement unit is “lb”. You may press “UNIT” button to choose among pound, kilogram and stone.



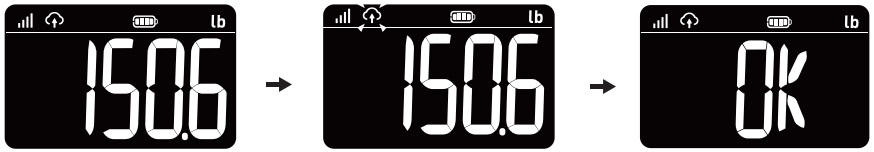



## ♥ Daily Measurement

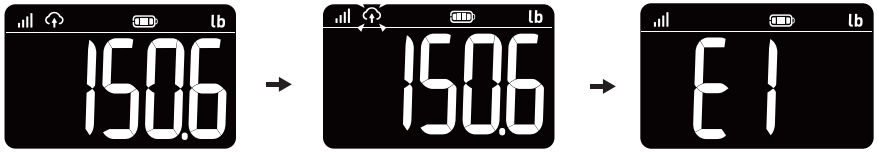


- With original SENSE ON patent technology, the scale will automatically switch on as you step on the platform barefooted.

- Stand still and keep full contact with the scale, the weight data on the LCD will blink twice, then the weight is locked. The weight data will be transmitted after 10 seconds.



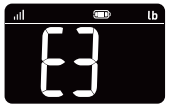
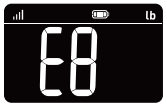

- When data is successfully transmitted, “OK”will be displayed and icon “ ” stops blinking. If the data transfer fails, “E1” will be displayed and icon “ ” disappeared. Then the scale will turn off in about 3 seconds.








## ♥ Error Prompt

| Error | Description | Solution |
|---|---|---|
| | Overload error. The device will power off. | Stop using this scale for measurement. |
| | Low battery error. The device will power off. | Replace all four batteries at the same time. Please purchase the authorized batteries for replacement. |
| | Failure to pair-up with the network. Or Data transmission error. | 1. Move the scale to a location where there is a stronger signal.<br>2. Check with your telecom operator for SIM card status. |
|  | The server API call was unsuccessful. | Contact the platform service provider |
| | Query signal timeout. | 1. Reinstall the batteries.<br>2. Move the scale to a location with a strong signal. |
| | No SIM card information was found. | Check with your telecom operator for SIM card status. |
|  | The server API replies that the certificate is abnormal or the device does not exist. | Contact the platform service provider. |
| | Eeprom checks failed. | Contact Smart Meter Technical Support. |

## ❤ When Measuring...

| Problem | Root Cause | Solution |
|---|---|---|
| No display on LCD when the device powers on. | Batteries not yet installed. | Install the batteries. (Please refer to Insert the Battery and Pair-up) |
| | Worn batteries. | Replace all four batteries at the same time. Please purchase the authorized batteries for replacement. |
| The device powers off automatically | Low battery. | Replace all four batteries at the same time. Please purchase the authorized batteries for replacement. |

**About the Accuracy of This Product**

- This product passes strict inspection before delivery and therefore its accuracy is guaranteed by the manufacturer. Please refer to the above table for the descriptions on accuracy.
- This product is specially designed for Smart Meter iScale Plus Cellular Weight Scale as well as weight measurement. It should NOT be used by anyone during the process of transaction for verification of goods' weight.





## ❤ Specifications

| | |
|---|---|
| **Product Name** | iScale Plus Cellular Weight Scale |
| **Dimension** | Scale: Approx. 360 x 360 x 37.2 mm |
| **Net Weight** | Approximately 3.04 kg (Excluding the dry cells) |
| **Display** | Digital LCD |
| **Measurement Unit** | Pound / Kilogram / Stone |
| **Measurement Range** | 11 lb to 551.2 lb / 5 kg to 250 kg / 0st:11 lb to 39st:5 lb |
| **Division** | 0.1 kg / 0.2 lb |
| **Accuracy** | 50±0.2 kg; 100±0.3 kg; 150±0.4 kg; 200±0.5 kg; 250±0.8 kg |
| **Working Environment** | Temperature: 5℃ to 40℃ Relative Humidity: ≤90% RH Atmospheric pressure: 86 kPa to 106 kPa |
| **Storage Environment** | Temperature: -20℃ to 60℃ Relative Humidity: ≤90% RH Atmospheric pressure: 50 kPa to 106 kPa |
| **Power Source** | 6V (Four AA-size Batteries) |
| **Auto-ON** | SENSE ON technology |
| **Auto-OFF** | About 10 seconds while showing 0.0; |
| **Accessories** | 1. Four AA-size Batteries<br>2. User Manual |
| **Mode of Operation** | Continuous Operation |
| **Protection Against Ingress of Water** | IP22 (The first number 2: Protected against solid foreign objects of 12.5 mm Φ and greater. The second number 2: Protection against vertically falling water drops when enclosure tilted up to 15°on either side of the vertical.) |
| **Software Version** | A5 |
| **Degree of protection** | Type BF applied part (top surface) |

## ❤ Maintenance

When carrying out usual maintenance, please ensure practice of the following Do's and Don'ts:

- Clean the device after use.
- DO use a dry soft cloth to wipe the dust.
- DO use a wet soft cloth, dipped into water and wrung out, to wipe the dirt. Then use a dry soft cloth to dry the device.
- DON'T wash the device with water or immerse it in water.
- DON'T use propellant, abrasive or other chemicals to wipe the dirt in avoidance of discolor or malfunction.
- DON'T disassemble this device. If you have any problems, please contact Smart Meter Technical Support.
- (*Please refer to Warranty for contact information*)
  No service and maintenance while in use with the patient.

## ❤ Warranty

- Smart Meter guarantees its products free of defects in materials and workmanship in normal use for a period of TWO years from the date of retail purchase. This warranty does NOT cover damages caused by misuse abuse,lost,stolen or damage,including but not limited to:
  - → Failure caused by unauthorized repairs or modifications;
  - → Damage caused by shock or drop during transportation;
  - → Failure caused by improper operation inconsistent with the instructions stated in this user manual;
  - → Malfunction or damage from failure to provide the recommended maintenance;
  - → Damage caused by improper use of power supply.
- Should this device require maintenance (or replacement at our option) under warranty, please deliver the original package to SMART METER LLC, 5501 W. Waters Ave. Suite 401 Tampa, FL 33634 prepaid. Please return the store receipt (with the retail purchase date) and a note with reasons to return on it as well.

Smart Meter Technical Support
5501 W. Waters Ave. Suite 401
Tampa, FL 33634
1-844-445-8267
email: support@iglucose.com
www.smartmeterrpm.com





## ❤ FCC Regulation

### FCC User Guide Information

**Radio Frequency Interface Requirements - FCC**

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna;
- Increase the separation between the equipment and receiver;
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected;
- Consult the dealer or an experienced radio / TV technician for help.

**Radio Transmitters (Part 15)**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

### RF Exposure Compliance

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The portable device is designed to meet the requirements for exposure to radio waves established by the FCC. These requirements set a SAR limit of 4.0 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use when properly worn on the hand/feet/ankle/wrist, with 0mm separation.

## ♥ Warning

The ME EQUIPMENT or ME SYSTEM is suitable for home healthcare environments

Warning: Do not use near active HF surgical equipment and the RF shielded room of an ME system for magnetic resonance imaging, where the intensity of EM disturbances is high.

Warning: Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

Warning: Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.

Warning: Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the equipment SMSC2001-G1-001, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.

## ♥ EMC Guidance

**Guidance and manufacturer's declaration -electromagnetic emissions and Immunity**

Table 1

| Guidance and manufacturer's declaration - electromagnetic emissions | |
|---|---|
| **Emissions test** | **Compliance** |
| RF emissions<br>CISPR 11 | Group 1 |
| RF emissions<br>CISPR 11 | Class B |
| Harmonic emissions<br>IEC 61000-3-2 | Not applicable |
| Voltage fluctuations/ flicker emissions<br>IEC 61000-3-3 | Not applicable |





Table 2

| Guidance and manufacturer's declaration - electromagnetic Immunity | | |
|---|---|---|
| **Immunity Test** | **IEC 60601-1-2<br>Test level** | **Compliance level** |
| Electrostatic discharge (ESD)<br>IEC 61000-4-2 | ±8 kV contact<br>±2 kV, ±4 kV, ±8 kV, ±15 kV air | ±8 kV contact<br>±2 kV, ±4 kV, ±8 kV, ±15 kV air |
| Electrical fast transient/burst<br>IEC 61000-4-4 | Not applicable | Not applicable |
| Surge<br>IEC 61000-4-5 | Not applicable | Not applicable |
| Voltage dips, short interruptions and voltage variations on power supply input lines<br>IEC 61000-4-11 | Not applicable | Not applicable |
| Power frequency magnetic field | 30 A/m<br>50Hz/60Hz | 30 A/m<br>50Hz/60Hz |
| IEC 61000-4-8 | | |
| Conducted RF<br>IEC61000-4-6 | Not applicable | Not applicable |
| Radiated RF<br>IEC61000-4-3 | 10 V/m<br>80 MHz – 2,7 GHz<br>80 % AM at 1 kHz | 10 V/m<br>80 MHz – 2,7 GHz<br>80 % AM at 1 kHz |
| NOTE $U_T$ is the a.c. mians voltage prior to application of the test level. | | |

Table 3

| Guidance and manufacturer's declaration - electromagnetic immunity | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Radiated RF IEC61000-4-3 (Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communica-tions equipment) | Test Frequency (MHz) | Band (MHz) | Service | Modulation | Maximum Power (W) | Distance (m) | IEC 60601-1-2 Test Level (V/m) | Compliance level (V/m) |
| | 385 | 380-390 | TETRA 400 | Pulse modulation 18 Hz | 1.8 | 0.3 | 27 | 27 |
| | 450 | 430-470 | GMRS 460, FRS 460 | FM ±5k Hz deviation 1 kHz sine | 2 | 0.3 | 28 | 28 |
| | 710 | 704-787 | LTE Band 13, 17 | Pulse modulation 217 Hz | 0.2 | 0.3 | 9 | 9 |
| | 745 | | | | | | | |
| | 780 | | | | | | | |
| | 810 | 800-960 | GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE Band 5 | Pulse modulation 18 Hz | 2 | 0.3 | 28 | 28 |
| | 870 | | | | | | | |
| | 930 | | | | | | | |
| | 1720 | 1700-1990 | GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; UMTS | Pulse modulation 217 Hz | 2 | 0.3 | 28 | 28 |
| | 1845 | | | | | | | |
| | 1970 | | | | | | | |
| | 2450 | 2400-2570 | Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7 | Pulse modulation 217 Hz | 2 | 0.3 | 28 | 28 |
| | 5240 | 5100-5800 | WLAN, 802.11 a/n | Pulse modulation 217 Hz | 0.2 | 0.3 | 9 | 9 |
| | 5500 | | | | | | | |
| | 5785 | | | | | | | |