Starfrit
balance

Body Fat Scale
Insructions for use

The scale is specially designed to test your body weight, body fat, hydration, muscle and bone percentages and to help you keep a close eye on the daily changes of your body fat, hydration, muscle, bone and weight. Based on the analysis of your height, weight, age, etc., it calculates your daily energy requirement, and can be used as a helpful tool to control your weight. Please read this instruction manual carefully before use.

■ Features / Specifications

1. Size of LCD screen: 74 x 35.6 cm / 2.9 x 1.40 inches
2. Uses high precision strain gauge sensor: 0.2 lb / 100 g
3. Multifunction: test body fat %, body hydration %, body muscle %, body bone % and suggest daily calorie intake requirement
4. Daily calorie intake: the data reading indicates the energy you need to sustain the daily metabolism and ordinary activities required for your weight, height, age and sex.
5. Built-in memory for 12 different users
6. Regular weighing mode. Auto step on weighing and consecutive add-on weighings
7. Low battery and overload indicators
8. Last immediate memory recall
9. Compare current result to the last record

■ Tips / Recommandations

A. The device is designed to allow auto step on. The first time you use the scale please ignore the initial reading as this may reflect the factory settings. The scale will be accurate as of the second use.
B. For better results, always remove your shoes and socks.
C. It is advisable to always take measurement at the same time of the day.
D. Readings can be misleading after intensive exercise, excessive dieting or under extreme dehydration.
E. Always weigh/use the scale on a hard and flat surface. When you are on the weighing platform, please keep still.

F. For children under 10 or adults over 100, the scale can only be used in regular weighing mode.
G. For adults over 70, body builders or people with extreme fitness levels, there may be deviations in the measured data.

■ Warning

The body analysis weighing mode, called Bioelectrical Impedance Analysis (BIA), which is used by this scale, determines your body fat proportion by transferring a harmless signal all the way through your body.

A. This scale provides body analysis measures for a majority of people, but people with the following condition should never use this scale under this weighing mode:
   • Pregnant women
   • Those with symptoms of edema
   • Those on dialysis treatment
   • Those who use heart pacemakers or other implanted medical devices

These people should only use a scale under the regular weighing mode, which will indicate only your body weight.

B. The fat and hydration percentages content evaluated by this body fat scale **is only for reference** (not for medical purpose). If your fat and hydration percentages content is over/below normal level, please consult your doctor for more advice.
C. Keep away from strong electro-magnetic fields when using the scale.
D. It could be slippery if you weigh on a wet surface. Moreover, the weighing platform surface is glazed, never step on the edge of the scale and do keep balance during your weighing.

■ Performance index

| Item Index	Weighing Capacity	Fat %	Hydration %	Muscle %	Bone %	Calorie
Index Range	150 kg 330 lb	4.0% ~60.0%	27.5% ~66.0%	20.0% ~56.0%	2.0% ~20.0%	
Division	0.1 kg 0.2 lb	0.1%	0.1%	0.1%	0.1%	1KCAL

■ To install / Replace batteries
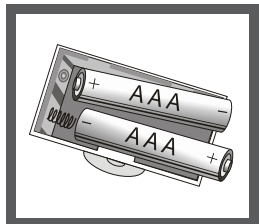
1- Open battery case cover on the back of scale.
2- Take out the used batteries.
3- Install new batteries by putting one side of the battery then pressing down the other side. Please take note to the polarity.

- Do not dispose of batteries in fire. Batteries may explode or leak.

- Do not mix old and new batteries.

- Do not mix alkaline, standard (carbon-zinc), or rechargeable batteries.

- Please dispose the batteries according to local municipal regulations.
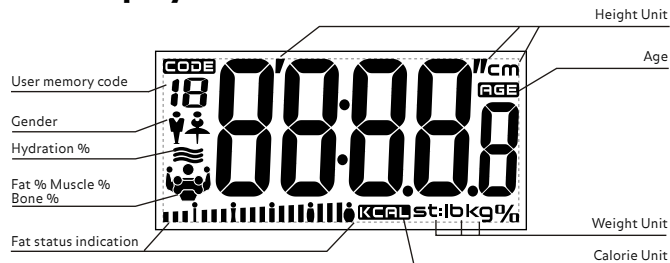
■ Setting weight unit
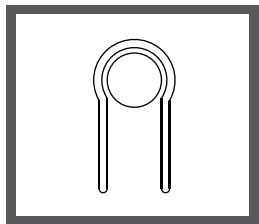
This scale is available in kg or Ib. You can set to the one you prefer by pressing the unit conversion button on the back of the scale (picture shown on the left). Press the unit conversion button when scale is powered off. LCD shows current weight unit. Press the button again to convert to another weight unit.

Press

Press

Press
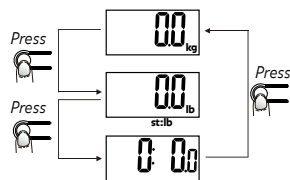
After selecting the prefered unit, the scale will auto-off after 3 seconds. The selected weight unit will be activated the next time you turn on the scale.

- When setting Ib as weight unit, the default height unit is feet/inch.

- When setting kg as weight unit, the default height unit is cm.

3

■ LCD Display

Height Unit
Age
User memory code
Gender
Hydration %
Fat % Muscle %
Bone %
Weight Unit
Fat status indication
Calorie Unit

■ Key Illustration

SET : Turn on the scale / Save parameters / Prompt to next parameter. (Please refer to the Setting personal parameter section)

▲ : Advance the value by one interval each press. Hold down button to advance more quickly.

▼ : Decrease the value by one interval each press. Hold down button to decrease more quickly.

■ Regular Weighing Mode
(indicates body weight only)

1. Auto step on weighing

Install battery (please refer to Page 3) and place the scale on flat floor.

Displays your weight.

Once weight is stabilized digits will flash and lock in.

4
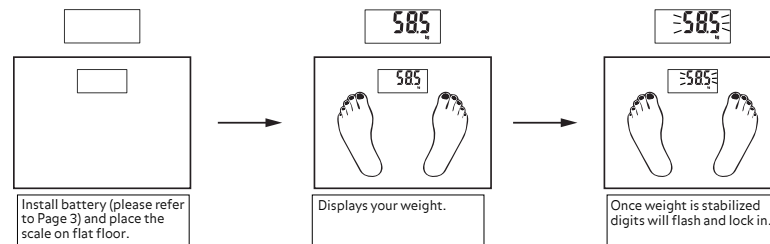
2. Consecutive add-on weighing
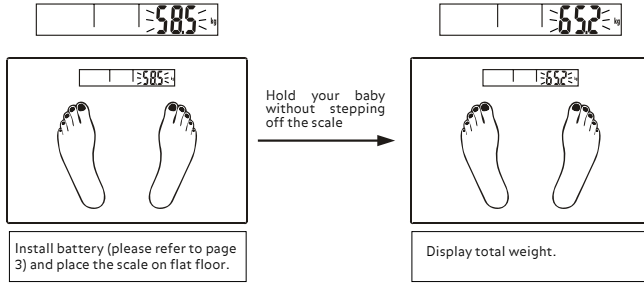
After digits stabilize, additional loads can be added. Ensure each add-on load exceeds 2 kg (4.4 lb) to get a new reading.

Example: If you want to get the weight of a baby, you can weigh yourself first, and then pick up the baby, without stepping off the scale. Then you will get the total weight reading. Subtracting the original reading from the new one will give you the baby's weight.

| Install battery (please refer to page 3) and place the scale on flat floor. | Hold your baby without stepping off the scale → | Display total weight. |

■ Body Analysis Weighing Mode
(indicates body fat, hydration, muscle, bone and daily calorie intake)

(1) Setting personal parameters

① The first time you turn on your scale, the default parameters are set as follows:

Gender	Height	Age	Target weight
Masculin	165 cm / 5'5''	25	50 kg / 110 lb

② Parameters can be set in the following range:

Memory	Gender	Height	Age	Target weight
1-12	Female Male	100 - 250 cm 3'3'' - 8'2''	10 - 100	20 - 150 kg 44 - 330 lb

③ Parameter setting
Example: the 3rd user, female, 168cm, 28 years old, can set her parameters as follow:
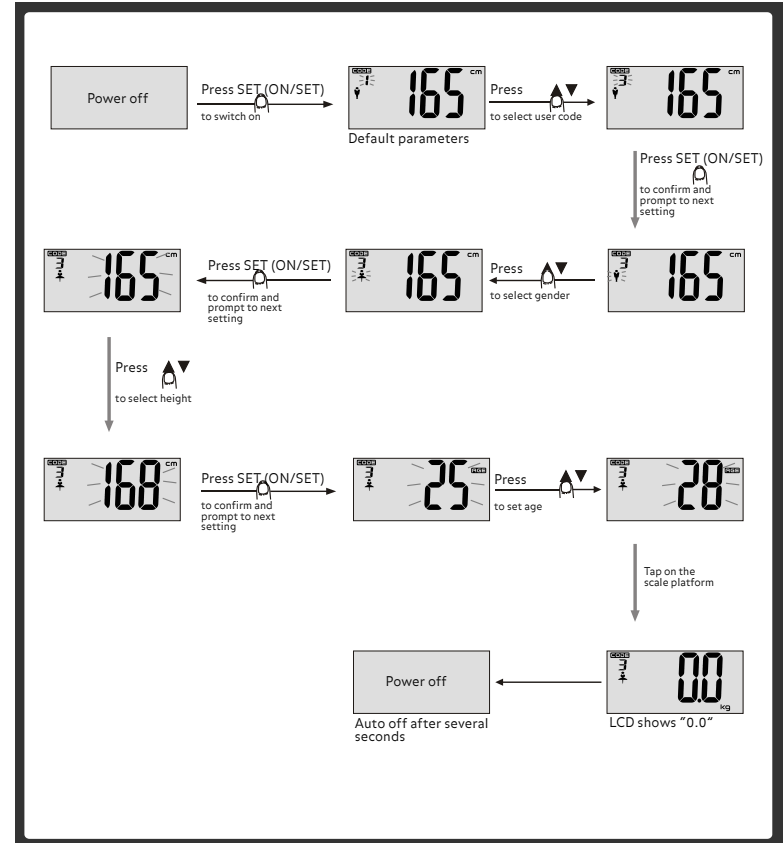
Note:
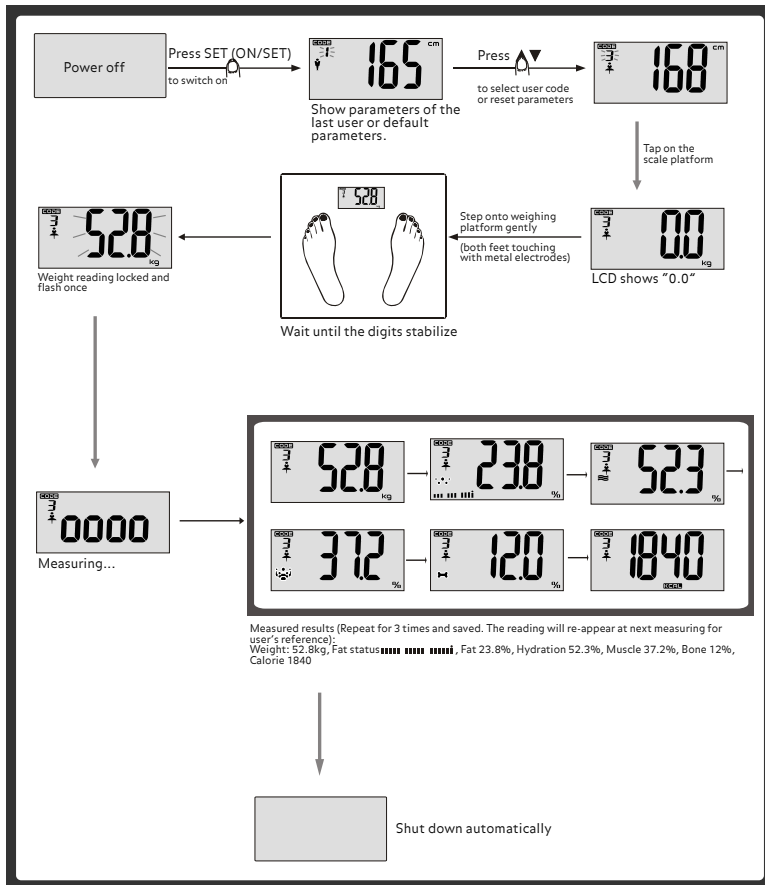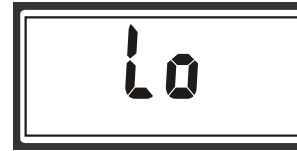- If while setting the parameters there are no entries for period of 6 seconds, the parameters already set will be automatically saved and body fat measuring will start.
- If body fat measuring starts before you had time to finish setting your parameters, press SET for 3 seconds to return to the setting mode. You will then be able to set you user code, gender, activity level, height, age and target weight again.

(2) To start weighing

It is really important to remove your shoes and socks before stepping on the scale especially when you are using the scale in body analysis weighing mode. Assure that your feet are well positioned on the metallic sensors, otherwise the scale will not be able to determine your body composition. Example: the 3rd user, female, 168cm, 28 years old can measure as follow :

Power off → Press SET (ON/SET) to switch on → **165** cm
Show parameters of the last user or default parameters. → Press ▲▼ to select user code or reset parameters → **168** cm → Tap on the scale platform → **0.0** kg
LCD shows "0.0" → Step onto weighing platform gently (both feet touching with metal electrodes) → Wait until the digits stabilize → **52.8** kg
Weight reading locked and flash once

0000
Measuring... → **52.8** kg → **23.8** % → **52.3** % → **37.2** % → **12.0** % → **1840** KCAL

Measured results (Repeat for 3 times and saved. The reading will re-appear at next measuring for user's reference):
Weight: 52.8kg, Fat status███ ███ ███ , Fat 23.8%, Hydration 52.3%, Muscle 37.2%, Bone 12%, Calorie 1840

Shut down automatically

■ **Warning Indications**

Lo

Low battery indication
The battery power is running low.
Please replace with new batteries.

Err

Overload indication
The weighing subject on the platform exceeds the maximum capability of the scale. Maximum weight capacity is 400 lb / 180 kg.

ErrL

Low Fat % Indication
The fat percentage is below the outlined performance index and therefore cannot be measured. (see Performance Index section) Please consult a health care professional.

Errh

High Fat % Indication
The fat percentage is above the outlined performance index and therefore cannot be measured. (see Performance Index section) Please consult a health care professional.

C

Re-test
Error exists, please step off the scale and start over.

■ Readings

1. Body Fat Percentage

Body fat scale sends a small and completely harmless electrical current through your body. The electrical current passes more quickly through fat free tissue like muscle than it does through fat. The amount of resistance to the electrical current relates to how much fat-free mass a person has and their body density.

2. Understanding the readings

Fat percentage is an index of fat content in human body
The same goes for hydration, bone and muscle.
The information provided by the scale is for reference only.
Consult your health care professional for more detailed information.

3. Fat / Hydration Content Fitness Assessment Chart

After weighing you can use the following Assessment Chart for reference:

Age	Female		Male		Status	Key Line Indication
	Fat	Hydratation	Fat	Hydratation		
<30	4.0-16.0%	66.0-57.8%	4.0-11.0%	66.0-61.2%	Too lean	IIII
	16.1-20.5%	57.7-54.7%	11.1-15.5%	61.1-58.1%	Lean	IIII IIII
	20.6-25.0%	54.6-51.6%	15.6-20.0%	58.0-55.0%	Nor-mal	IIII IIII IIII
	25.1-30.5%	51.5-47.8%	20.1-24.5%	54.9-51.9%	Fat	IIII IIII IIII IIII
	30.6-60.0%	47.7-27.5%	24.6-60.0%	51.8-27.5%	Too fat	IIII IIII IIII IIII IIII
>30	4.0-20.0%	66.0-55.0%	4.0-15.0%	66.0-58.4%	Too lean	IIII
	20.1-25.0%	54.9-51.6%	15.1-19.5%	58.3-55.3%	Lean	IIII IIII
	25.1-30.0%	51.5-48.1%	19.6-24.0%	55.2-52.3%	Nor-mal	IIII IIII IIII
	30.1-35.0%	48.0-44.7%	24.1-28.5%	52.2-49.2%	Fat	IIII IIII IIII IIII
	35.1-60.0%	44.6-27.5%	28.6-60.0%	49.1-27.5%	Too fat	IIII IIII IIII IIII IIII

*** The above information is for detailed reference only. For more detailed information, consult your health care professional.
BF: Fat %   BW: Hydratation %   BM: Muscle %   BONE: Bone %

⚠ ADVISE FOR USE & CARE

1. The glass platform will be slippery if it is wet.
2. Keep standing still during the course of weighing.
3. DO NOT strike, shock or drop the scale.
4. Treat the scale with care as it is a precise instrument.
5. Clean the scale with a damp cloth and avoid water getting inside the scale. DO NOT use chemical or abrasive cleaning agents.
6. Keep the scale in a cool place with dry air.
7. Always keep your scale in a horizontal position.
8. If the scale does not turn on, check whether the batteries are installed or battery power is low. Replace the batteries.
9. If there is an error message on the display or if the scale does not turn off, remove the batteries for about 3 seconds, then install them again. If you cannot resolve the problem, please contact your dealer for consultation.
10. Not for commercial use.

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