

Weight and Body Fat

How does it work?

While body fat can be measured in many ways, the method used in your scale is bioelectrical impedance. This indirect method of determining body fat starts when a safe and very low electrical current is sent through the lower half of the body. The electrical current flows more quickly through water and muscle than it will through bone and fat. The scale measures the speed of the current. Based on this number, the scale estimates body fat using a multi-step, mathematical formula.

Is it accurate?

Measurements of body fat tend to fluctuate a lot more than simple weighing, and different methods of estimating body fat yield very different results. Just as different scales give different results, different body fat analyzers can provide very different body fat estimates. Even with the same scale the numbers will vary because:

- Weight loss tends to produce substantial, continuous, and unpredictable changes in body water content. Because body fat analysis is determined by water content in the body, results can vary considerably from day to day.
- Hydration status affects body fat results. If you've just worked out, there is less water for the electrical current to flow through. This may result in a higher body fat result. In the same way, if you measure your body fat after drinking a lot of fluid, it may appear that body fat is lower than it really is.
- Skin temperature can have an influence also. Measuring body fat in warm humid weather when skin is moist will yield a different result than if skin is cold and dry.
- As with weight, when your goal is to change body composition it is better to track trends over time than to use individual daily results.
- Results may not be accurate for persons under the age of 16, or persons with an elevated body temperature, diabetes or other health conditions.

What you need to know!

- Percent body fat refers to the number of pounds of fat divided by your total body weight and multiplied by 100.
- During weight loss, percent body fat doesn't appear to be reduced as quickly as expected because total weight loss and total body fat are decreasing at the same time (for a more detailed explanation, see next section).
- Weight loss in the form of body fat and lean tissue (muscle) is common, and is normal.
- To minimize the loss of lean tissue, include regular physical activity, especially strength training, in your weight-loss plan.

Why do I lose weight but my body fat percentage doesn't change much?

When you lose weight, both the numerator (pounds of body fat) and denominator (total body weight) go down, so when it's calculated as a body fat percentage, the number can be small. For example, a person may weigh 200 pounds and have 40% body fat (= 80 pounds of body fat). He/She loses 20 pounds, but the body fat has only dropped 4% to 36%. That 4% of body fat was 16 pounds of fat – a very significant amount! So do not be overly concerned if you do not see the percentage change quickly as you are losing weight: monitor the absolute number of body fat pounds lost. Remember, to minimize the loss of lean tissue, include regular physical activity, especially strength training, in your weight-loss plan.

Body water/hydration levels

General health standards indicate that one should consume approximately 64 oz of water per day from food and liquids to maintain a healthy level of hydration. Maintaining a good hydration level will help improve your overall health and general feeling of well-being. If your hydration levels are lower than average, you should increase your water intake accordingly.

Body water/hydration level – how is it measured?

The hydration level is measured by using Bioelectric Impedance Analysis (BIA). The same analysis that is used to calculate your body fat is used to calculate your hydration level. Taking into consideration a user's age and gender, a calculation is made that determines the percentage of water.

Please note: It is not recommended to take the hydration measurements in certain situations, such as following exercise, after drinking a glass of water, or directly prior to, during or shortly after menstrual cycles. Hydration may not be at normal levels during these times.

Bone mass – what is it?

Bone is a living, growing tissue. During youth, your body makes new bone tissue faster than it breaks down older bone. In young adulthood, bone mass is at its peak; after that, bone loss starts to outpace bone growth, and bone mass decreases. But it's a long and very slow process that can be slowed down even more through calcium-rich diets and weight-bearing exercise.

Who should monitor bone mass?

Most people have no need to monitor bone mass, but certain groups – post-menopausal women, men and women with certain diseases, and anyone who takes medications that affect bone tissue – might want to watch for decreases in bone mass. The bone mass reading is to be used as guide only. Watch for trends over time and contact your healthcare provider for a more detailed explanation of the readings and with any questions or concerns.

Body Analysis Table						
Always keep in mind that you know your body best. The following ranges of body fat, BMI, body water and bone mass are offered as guides.						
	too low	lower than normal	normal	higher than normal	too high	
Body Fat						
age	%	%	%	%	%	%
Male	20-29	<13%	13.1-18%	18.1-23%	23.1-28%	28.1%+
	30-39	<14	14.1-19	19.1-24	24.1-29	29.1+
	40-49	<15	15.1-20	20.1-25	25.1-30	30.1+
	50-59	<16	16.1-21	21.1-26	26.1-31	31.1+
	60-69	<17	17.1-22	22.1-27	27.1-32	32.1+
Female	20-29	<18	18.1-23	23.1-28	28.1-33	33.1+
	30-39	<19	19.1-24	24.1-29	29.1-34	34.1+
	40-49	<20	20.1-25	25.1-30	30.1-35	35.1+
	50-59	<21	21.1-26	26.1-31	31.1-36	36.1+
	60-69	<22	22.1-27	27.1-32	32.1-37	37.1+

Body Analysis Table						
Always keep in mind that you know your body best. The following ranges of body fat, BMI, body water and bone mass are offered as guides.						
	too low	lower than normal	normal	higher than normal	too high	
Body Water						
age	%	%	%	%	%	%
Male	20-69	<46.4%	46.5-49.9%	50-65%	65.1-70%	70.1%+
Female	20-69	<43.9	44-44.9	45-60	60.1-67.6	67.7+
Bone Mass						
age	%	%	%	%	%	%
Male	20-29	<7.2%	7.3-7.5%	7.6-8.4%	8.5-8.7%	8.8%+
	30-39	<7.0	7.1-7.3	7.4-8.2	8.3-8.5	8.6+
	40-49	<6.6	6.7-6.9	7-7.8	7.9-8.1	8.2+
	50-59	<6.2	6.3-6.5	6.6-7.4	7.5-7.7	7.8+
	60-69	<5.9	6.0-6.2	6.3-7.1	7.2-7.4	7.5+
Female	20-29	<5.8%	5.9-6.1%	6.2-7%	7.1-7.3%	7.4%+
	30-39	<5.6	5.7-5.9	6-6.8	6.9-7.1	7.2+
	40-49	<5.2	5.3-5.5	5.6-6.4	6.5-6.7	6.8+
	50-59	<4.8	4.9-5.1	5.2-6	6.1-6.3	6.4+
	60-69	<4.5	4.6-4.8	4.9-5.7	5.8-6.0	6.1+
	low	on target	high			
BMI						
	%	%	%			
	<20	20-25	25+			
Make the most of it!						

To summarize, make the most of the body analysis feature by:

- Tracking change over time and not day to day.
- Using the same scale as much as possible.
- Being extra-consistent in the time of day, day of the week, time before or after food and fluid consumption, before or after exercise, etc., when measuring body composition.

While a scale/body fat monitor can be a useful tool on your weight-loss journey, it's not in and of itself a program for losing weight.

Come to a meeting and learn from us the best way to lose and maintain weight. Call 1-800-651-6000 or go to WeightWatchers.com to find a meeting near you.

Important Information Concerning Weight Management

Your scale is the best tool for monitoring weight. While not the only measure of weight loss, scales are the most popular method used to gauge weight-loss success. A scale measures the sum of your total body weight, which includes bone, muscle, fat, and water.

Body weight fluctuates during the day, and from day to day, depending on a variety of factors.

- Salt and carbohydrate intake can affect the body's water retention.
- A large meal adds weight and can cause water retention.
- Dehydration from exercise, illness, or low fluid intake can result in weight loss.
- Muscle is also a factor. Heavy-duty resistance training can build muscle, which can affect weight.
- The menstrual cycle can cause temporary weight gains and losses.

When You're Losing Weight

It's important not to put too much stock in the exact number on the scale, because it can and will vary. This is especially true when you're dieting. Small weight gains and losses are common as your body adjusts to fewer calories and more exercise. Your scale is a valuable tool when used to track weight over a period of weeks and months. Be aware that different scales often give different results. The scale at your doctor's office may show one weight, and your scale at home another. **So don't get too caught up with a single number.**

Don't Overdo It!

A surefire way to get overly concerned with your weight is to weigh yourself too often. We generally recommend weighing yourself no more than once a week when you're dieting. Though it's hard to stick to this pattern, it's the best way to prevent unnecessary concern with normal weight fluctuations, which are unrelated to your weight-loss efforts. Regardless of your weighing habits, it's important that you're consistent.

Here are 5 rules for effectively monitoring your weight – weigh yourself:

- Once a week, on the same day of the week
- In the same place
- Wearing the same clothes
- Using the same scale
- At the same time of day

To keep track of your weight, record only one number for the week. This will give you a clear picture of any trend your weight is following.

When You're Maintaining Weight

Fluctuations in day-to-day weight tend to be smaller when weight is stable, so a more frequent weigh-in pattern is helpful. To maintain a stable weight:

- Weigh yourself more often than once a week.
- Use the "5-pound rule" – research shows that people who keep weight within a 5-pound range are more likely to maintain a healthy body weight over the long term.

Facts You Should Know

Your Weight Watchers scale is a precise measuring instrument that is most accurate when weighing a stationary object. To ensure accurate readings, always try to stand on the same area of the scale platform and **DO NOT MOVE**. Should the weight on the scale exceed the scale's capacity, you may see an error message "ERR".

Electronic sensors are sensitive. Be careful not to drop or jar the scale. Place it gently onto floor surface, and store where it will be protected from impact. The scale is an electronic instrument and should never be submerged in water. Clean with damp cloth and/or glass cleaner.

In the event that the scale battery needs to be replaced, (display shows "Lo"), remove the screw from the battery cover on the bottom of the scale and remove the cover. Replace the old battery with one new CR2032 battery. Clean the battery contacts and also those of the device prior to battery installation. Ensure the battery is installed correctly with regard to polarity (with the "+" side facing up), then replace the battery cover and tighten the screw again. Remove used battery promptly. **Dispose of the old battery properly. Do not attempt to open the scale or to remove any components. Servicing should be done by qualified technicians only. See warranty information below.**

Before Using Scale

Precautions for Use

CAUTION! Use of this device by persons with any electrical implant such as a heart pacemaker, or by pregnant women, is not recommended.

1. Set switch on the base of the scale to measure in pounds (lb) or kilograms (kg).
2. Set scale on floor. Surface must be level for accurate operation and safety.

Weight Measurement Only

To measure weight only:

1. Remove all packaging materials.
2. Remove the isolator tab from the battery compartment – without opening the battery cover at the bottom of the scale, gently pull out the isolator tab. (In case the tab cannot be pulled out, or if the scale display does not work after you have pulled the isolator tab, remove the screw from the battery cover and remove the cover. Gently pull out the isolator tab or any pieces of it that may block the battery contacts. Ensure the battery is installed correctly. Replace the battery cover and tighten the screw again).
3. For best accuracy, place scale on tile or hardwood floor, rather than uneven, flexible or soft flooring (such as carpet).
4. Tap the scale in standby mode. Whole screen appears.
5. Wait about 2 seconds until "0.0" appears.
6. Step on the scale and stand still to measure your weight. The scale display will flash for a few seconds and then display weight.
7. Step off the scale and it will shut off automatically.



Personal Data Setting Mode

Personal Data Setting

Tap the platform firmly to activate the scale. The whole screen will appear. Wait for "0.0" to show, then press the "SET" button to enter into Personal data setting mode.

User "P-01" will flash. Press the UP or DOWN button to choose user number (user 1 to user 4). Press the SET button to confirm.

P-4 ↔ P-1 ↔ P-2 ↔ P-3 ↔ P-4 ↔ P-01....



After selecting the user, continue to press the "SET" button and the scale will switch to the height setting mode.



LB/feet and inches mode

Height will flash. Press the UP or DOWN button to choose the height. If the scale is set to measure in pounds, the height will display in feet and inches. If it is set to measure in kgs, the height will display in cm. Pressing and holding the UP or DOWN button will advance numbers quickly. Press the SET button to confirm the height.

After selecting the height, continue to press the "SET" button and the scale will switch to Age setting mode.



Age will flash. Press the UP or DOWN button to choose the age (10 to 100). Pressing and holding the UP or DOWN button will advance numbers quickly. Press the SET button to confirm the Age.

After selecting the Age, continue to press "SET" button and the scale will switch to the gender setting mode.



The gender icon will flash. Press the the UP or DOWN button to choose between male and female.

After selecting the Gender, the personal data setting has been completed. The scale will save the data and scroll through all settings in succession. Then the scale will turn off automatically after a few seconds. Before scale turns off, you can enter the body fat measurement mode (see below).

Note 1: If you need to edit any of your personal data, you can do so while the data is being displayed: simply press the "SET" button and scale will go back to the personal data setting mode again. Follow the instructions above.

Note 2: In the personal data setting mode, the scale will return to standby mode automatically if no button is pressed within 30 seconds and already entered data will not be saved. If that happens, simply repeat the personal data setting process described above.

Display and store data

1. Once the gender is set, data storage is complete.
2. User number displays for a few seconds, Height displays for a few seconds, and Age for another few seconds.
3. The scale is now ready for body analysis measurements.

Body Analysis Measurement

Operate the scale on a secure flat floor. Tap on the platform firmly to activate the scale. Wait until you see "0.00" in KG mode or "0.0" in LB mode, then press the "UP" or "DOWN" button to select your user number. Your data (height, age, gender) will quickly display again.

Once the LCD shows "0.0", you can step on the scale. Step on barefoot with your feet aligned on the electrodes (metal strips) on the two sides of platform. If your feet are not bare, the scale will not be able to take measurements and you will get an error reading.



LB mode

After a few seconds, the LCD will show your body weight, body fat percentage, body water percentage, BMI and bone mass percentage for about 30 seconds, and then turn off automatically.



LB mode

If you get an error reading, make sure you are stepping on the scale in bare feet (no stockings or pantyhose) and your feet are aligned on the metal strips. If you still get an error reading, your skin may be too dry: try rubbing a bit of lotion on the soles of your feet and make sure not to slip on the platform of the scale.



LB mode

Note: Your scale will also read error if your weight is below or above the specifications for the scale.



Low battery warning: When the battery is critically low, the scale display will show "Lo" and it is time to replace the battery (see battery replacement instructions).



NOTE:

If you step on the scale before "0.0" appears or if your feet are not aligned on the electrodes, the scale will not function properly.

FCC Markings:

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

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.
- Caution: Any changes or modifications not expressly approved by Conair Corporation, the manufacturer of this product and the party responsible for compliance could void the user's authority to operate the equipment.

LIMITED TEN YEAR WARRANTY

Conair will repair or replace, at our option, your appliance free of charge for 120 months from the date of purchase if the appliance is defective in workmanship or materials.

To obtain service under this warranty, return the defective product to the service center listed below that is nearest you, together with your sales slip and \$5.00 for postage and handling. California residents need only provide proof of purchase and should call 1-800-3-CONAIR for shipping instructions. In the absence of a receipt, the warranty period shall be 120 months from the date of manufacture.

ANY IMPLIED WARRANTIES, OBLIGATIONS, OR LIABILITIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED IN DURATION TO THE 120-MONTH DURATION OF THIS WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

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Service Centers Conair Corporation Service Department 150 Millford Road East Windsor, NJ 08520	Conair Corporation Service Department 7475 N. Glen Harbor Blvd. Glendale, AZ 85307	 QUESTIONS about your SCALE?	1-800-326-6247 www.conair.com
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Scales by CONAIR™

Instructions for use of Digital Body Analysis Scale

Congratulations! By purchasing this Weight Watchers® Scale, you've made the first step toward taking control of your weight. To get the greatest benefit from your purchase, please read this entire brochure before using your scale.

Model WW65