History
The measurement results are automatically stored on an SD Card, sent to a PC or transferred to a printer to generate a consultation sheet for further discussion.

Reactance & Resistance
The Reactance Resistance table at the bottom of the page indicates measurements for the impedance flow at each of the multi frequency levels.

H-L = Hand - Leg  
Rl = Right Leg  
LL = Left Leg  
RH = Right Hand  
LH = Left Hand  
L-L = Leg to Leg

Tanita Multi Frequency Body Composition Analyzers are an essential tool in providing personalized consultations and long term assessment.

User friendly
Designed to be used as a stand alone unit allowing clients to take a measurement without assistance thanks to the extra large interactive touch screen display

Clinical Accuracy
Multi Frequency BIA technology allows you to provide a comprehensive analysis of body composition, backed by extensive independent clinical analysis and FDA clearance.

Fast
Full segmental body composition analysis taken in under 30 seconds

Practical
A modular system for convenient transportation. The interlocking system can be set up in under 5 minutes.
Whole Body Analysis

**Fat % / Fat Mass**

Fat Mass is the weight of fat in your body. Fat % is the proportion of Fat to the total body weight. Body Fat is essential for maintaining body temperature, cushioning joints and protecting internal organs. Yet, too much fat can damage your health. Reducing excess levels of body fat has shown to reduce the risk of certain conditions such as high blood pressure, heart disease, type 2 diabetes and cancer. Too little body fat may lead to irregular periods in women and infertility. Check your body fat results against the healthy body fat ranges shown at the bottom of your printout.

**Bone Mass**

The predicted weight of bone mineral in your body. It has been proven that increased muscle mass through sport activities promotes stronger healthier bones. Check for significant changes over time.

**Basal Metabolic Rate (BMR)**

Basal Metabolic Rate is the daily minimum number of calories your body needs when at total rest. Increasing muscle mass will speed up your metabolic rate. A person with a high BMR can burn more calories at rest than a person with a low BMR.

Check how efficient your body is at burning calories in the Indicator section of your printout.

- = low burn - your body is slow at burning calories
0 = average burn - your body is efficient at burning calories
+ = high burn - your body is highly efficient at burning calories

**Fat Free Mass (FFM)**

Fat Free Mass is comprised of non-fat components of the human body. Muscle, bone and water are all examples of fat free mass.

**Muscle Mass**

The predicted weight of muscle in your body. As you exercise more, your muscle mass increases, which in turn burns more calories. Check your muscle mass rating against the desirable range.

**Body Mass index (BMI)**

Body Mass Index is a standardized ratio of weight to height, and is used as a general indicator of health. Your BMI can be calculated by dividing your weight (in kilograms) by the square of your height (in meters)

BMI = \( \frac{weight}{height^2} \)

<18.5 = Under Weight
18.5 - 24.9 = Normal Weight
25-29.9 = Overweight
30+ = Obese

BMI is a good general indicator for population studies but has serious limitations when used for individual analysis.

**Total Body Water % (TBW %)**

Total Body Water Percentage is the total amount of fluid in the body expressed as a % of total weight.

Being well hydrated will help concentration levels, sports performance and general wellbeing. Drinking 2 liters of fluid a day will ensure good hydration levels.

The average TBW% ranges for a healthy person are:

- Female 45 to 60%
- Male 50 to 65%

Individuals with a high body fat % may fall below the recommended body water percentage. As body fat is reduced over time the TBW% should gradually improve.

**Intra Cellular Water (ICW)**

Intracellular Water is the fluid found inside cells. Usually 40% of your body weight is intracellular water.

**Extra Cellular Water (ECW)**

Extracellular Water is the body fluid found outside of cells.

The healthy ratio of Extra Cellular Water and Total Body Water is around 40%. In some cases malnutrition, aging and high fat levels may cause the ratio to be higher than 40%. Athletes tend to have a lower ratio of less than 36%. Continue to monitor this ratio on a regular basis.

**Visceral Fat Rating**

Visceral fat is located deep in the abdominal area surrounding and protecting the vital organs. Ensuring you have a low level of visceral fat reduces the risk of certain conditions such as heart disease, high blood pressure and type 2 diabetes.

Rating from 1 to 12: Indicates you have a healthy level of visceral fat. Monitor regularly to ensure your rating stays within this range.

Rating from 13 to 59: Indicates you have an excess level of visceral fat. Consider making changes in your lifestyle possibly through diet changes and/or increasing exercise.

**Segmental Body Analysis**

**Visceral Fat Distribution**

The ratio of upper to lower body fat is calculated, and plotted against average healthy values for gender and age.

**Physique Rating**

Physique rating assesses muscle and body fat rating into 9 body types.

As your activity level changes over time the balance of body fat and muscle will gradually alter which in turn will change your overall physique.