Body Composition Analyzer

CTG-BCA Series

What is composition Anlyzer?

Human body composition analyzer can detect various elements of human body and analysis human health status, which applies the accurate measurement of AVR micro computer controller, bases on new statistics method DXA, analyze human elements: fat, weight, BMI, non-fat and other health indicators through multi frequency bioelectrical impedance analysis scientific basis for losing weight effectively, which is considered as an epoch-making results of the health industry. It is healthy for each test, thus develop new treatments analysis of health data to lose weight. It can help people evaluate their body state accurately. It has the functions of human body elements analysis, muscle and fat analysis, obesity analysis and healthy assessment.

Function of Report Values

- Currently control slimming effect, providing the scientific evidence for the slimming treatment.
- Reasonably reduce and control weight, then keep best body.
- Distinguish muscle-overweight and obesity, than find the best way to control weight.
- Guide energy intake and intake ratio of food nutrition.
- Guide to adopt measure of nutrition restore, and promote the max synthetic of muscle.
- Evaluate treatment effect, guide scientific slimming, training, recovery, nutrition.
- Know and test teenager's physique and health condition, and make the feasible exercise plan.
- Know environment, nutrition and other elements' influence on body composition.
- Know body composition differences of different class people.
- To be the important precaution of reducing morbidity of cardiovascular, diabetes, some canner, and other chronic disease.
- 8 Point contact electrodes.
- Multi-frequency Bioelectrical Impedance Analysis (MFBIA)
- Bioelectrical Impedance Analysis on the part of left upper limb, right upper limb, trunk, left lower extremity, right lower extremity.
- Three different frequency (20KHz, 50KHz, 100KHz).
- 25 values of test.
- Large color touch screen for friendly operation, great visual enjoyment and comfortable experience.

Application

- Hospitals
- Beauty Clubs
- Sports And Scientific Research Center
- Institutions And Enterprise
- Government Agencies
- Sports Clubs
- Health Management And Accessment Agencies

A4 Color Report

Body Composition Report

NO.	Name/ID	Gender	Age	Height	Date/Time	S/N

① Body composition

	Value	FFM (kg)	Weight (kg)	Normal range
Total body water TBW (kg)				
Protein (kg)				
Abio-salt (kg)				
Fat (kg)				

② Muscle Fat

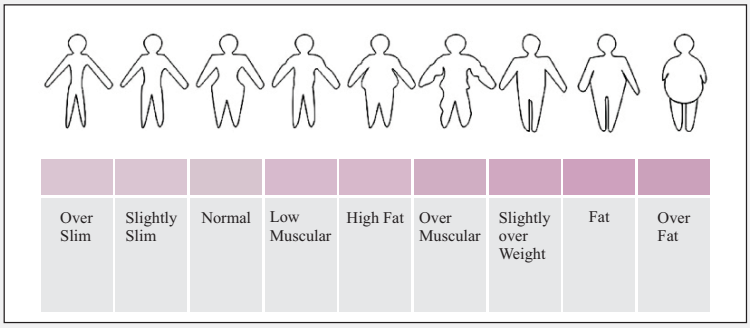
	Under	Normal	Over	Normal range
Weight (kg)				
Muscle (kg)				
Fat (kg)				

③ Analysis of obesity

	Under	Normal	Over	Normal range
BMI (kg/m²)				
PBE (%)				
Waist-to-Hip Ratio WHR (%)				
Water Percentage				

Note:
"C" Shows the body is high in fat and low in muscle, which means the health status is not good.
"D" Shows that the body body is with bood muscle and suitable fat, which means the health status is good.

④ Obesity diagnosis



⑤ Comprehensive assessment

Nutritional assessment				
Protein	☐ Normal	☐ Lack		
Abio-salt	☐ Normal	☐ Lack		
Fat	☐ Normal	☐ Lack	☐ Excessive	
Weight assessment				
Weight	☐ Normal	☐ Under	☐ Excessive	
Muscle	☐ Normal	☐ Under	☐ Over	
Fat	☐ Normal	☐ Under	☐ Excessive	
Obesity assessment				
BMI	☐ Normal	☐ Under	☐ Excessive	
PBF	☐ Normal	☐ Thin	☐ Fat	☐ Sever obesity

⑥ Weight control

Ideal weight	kg
Weight Control	kg
Fat Control	kg
Muscle Control	kg
Basic metabolism	kcal
Health assessment	fen

⑦ Bioelectrical impedance

Hz \ Z	RA	LA	TR	RL	LL
20kHz					
50kHz					
100kHz					

① **Stand on the unit**

② **Enter your information**

③ **Grab the hand electrodes**

④ **Check out your results**

Approval :

- Models Approved by Legal Metrology (WM). Govt. of India.
- BIS Certified ISI - 7800029512
- ISO 9001: 2015
- ISO 13485 : 2016

- **Conforming to :- IS: 9281 (Part 1&2) / 1979, IS: 9281 (Part - 3) / 1981, IS: 9281 (Part - 4) / 1983 (Reaffirmed 2006)**

Model	**BCA**
Capacity (kg / lbs)	200 / 440
Accuracy (g)	100
Test Method	Multi-frequency bioelectrical impendence analysis (MFBIA)
Test Part	Bioelectrical impendence analysis on the part of left upper limb, right, upper limb, trunk left lower extremity, right lower extremity
Test Frequency	Three different frequency (2KHZ, 50KHZ, 100KHZ)
Electrode Method	8 point contact electrode
Computing Method of body components	Do not estimate through empirical value
Output Vale (25)	TBW, protein, mineral salt, Body fat, bone weight, Weight, IBW, fat-free weight, SMM (Skeletal muscle), BMI (Body Mass Index), PDF (Percentage of body fat), WHP (Waist-hip ratio), moisture ratio, Obesity diagnosis, nutritional assessment, Weight assessment, obesity assessment, Goal weight, Weight Control, Fat Control, Muscle control, health assessment, basic metabolism, bioelectrical impedance,
Rated Current	Less thane 180μA
Power	Input power : AC100~240V, 50/60Hz
Screen	LCD Color Touch Screen
Operation Language	English and multiple language option.
Values Storage	50000x10 and SD card unlimited expansion is available
External Storage	SD card transfer to computer for large storage
External Interface	RJ-45, USB2
Printer Interface	USB
IC Card System	Standard IC Card Control
Printer	A4 Color paper ink-jet printer (manufacturer appoint the model), internally installed thermal printer
MEAS. of package	49CM x 50CM x 118CM(woodern case), GW : 40kg, : NW : 32kg
Test Time	No more than 2minutes
Operation Environment	Temperature : 10~400°C (50~1040°F), humidity : 30~80%RH, 500~600hPa
Conservation Environment	Temperature : 0~400°C (32~1040°F), humidity : 30~80%RH, 500~600hPa
Test scope of weight	10~200kg; Test scope of age : 10~99ages; Test scope of height : 90~200cm
External expansion project	Ultrasonic Height Measurer (selective purchasing)