

TANITA
Monitoring Your Health

The global leader in precision weighing and BIA body composition equipment

Professional Products





BEYOND BMI

BIA is an essential tool to evaluate progress of body composition changes

While Body Mass Index (BMI) has proved to be an effective screening tool on a population basis, it has recognised limitations when working on an individual level.

Essentially, BMI provides information on body weight but it does not indicate whether this extra weight is due to increased fat or lean tissue.

Scientific research has shown that excess body fat is directly linked to lifestyle diseases such as type 2 diabetes, hypertension and certain cancers.

Waist circumference is becoming an increasingly popular alternative, however is proving to be intrusive and inconsistent due to difficulties in locating the correct anatomical site.

Bio-electrical impedance analysis (BIA) is the only practical and accurate method of measuring body composition on a personal level. This method is clinically proven to be accurate with high repeatability and is used worldwide in research laboratories, health clinics, weight management facilities and fitness centres.

Tanita BIA Body Composition Analysers are successfully being used to evaluate the effectiveness and progress of health and fitness programs:

- **Receive an instant assessment of an individual's body composition status in just 20 seconds**
Tanita Monitors are perfect for providing a 'snapshot' of a person's health and fitness levels. The measurement data can be used to refer the individual for treatment or develop a personalised health and fitness program.
- **Consistently monitors progress of any weight management or fitness program**
Data can be automatically downloaded to allow data capture and demonstrate long term changes on body composition using the latest software.
- **Builds a more personalised service with the client assisting compliance and motivation**
By providing personal body composition information and setting step-by-step achievable goals such as improving hydration and muscle mass or reducing body and visceral fat, the person will be more motivated to continue a program. The readings will clearly demonstrate the changes in lifestyle even if their weight is not changing.

All Tanita Professional Body Composition Analysers are made in Tanita award winning factories in Japan ensuring the highest quality materials and manufacturing. All Analysers come with a 3 year guarantee and require calibration after 300,000 uses.

How Does Tanita BIA Work

Tanita Bio-electrical Impedance Analysis (BIA) operates by passing small electrical signals through the body between four footplates electrodes (and four hand electrodes in segmental Analysers). The conducting ability of body water is then used to calculate the amount of lean mass, body water, bone mass, basal metabolic rate and fat mass.

By entering, gender, age and height a personal and highly accurate body composition report can be produced.

How Accurate is Tanita BIA?

Tanita validation studies are based on comparison with gold standard body composition techniques DEXA DPXL. The equation is derived from measurements and correlation, using sophisticated statistical analysis. The R2 value has proven to be highly accurate ranging from 0.85 to 0.98 depending on the Analyser selected (1).

A full list of published validation and research papers is available at www.tanita.eu

References

1. Kushner RF. Bioelectrical impedance analysis: a review of principles and applications. J Am Coll Nutr 1992; 11:199-209.
2. Houtklooper LB, Lohman TG, Going SB, Howell WH. Why bioelectrical impedance analysis should be used for estimating adiposity. Am J Clin Nutr 1996; 64 (S3): 436-448.
3. Tan YX, Nuñez C, Sun Y, Zhang K, Wang ZM, Heymsfield SB. New electrode system for rapid whole-body and segmental bioimpedance assessment. Med Sci Sports Exerc 1997; 29:1269-73.
4. Heymsfield SB, Gallagher D, Grammes J, Nuñez C, Wang Z, Pietrobelli A. Upper extremity skeletal muscle mass: potential of measurement with single frequency bioimpedance analysis. Appl Radiat Isot 1998; 49:473-74.
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What are the advantages of Tanita BIA?:

- Differentiates fat and lean tissue
- Monitors composition of weight loss or gain
- Highly predictive value with extensive validations
- Excellent consistency for repeated measurements
- Sensitive enough to detect clinically important differences
- Body fat centile curves available for children, adolescents and adults
- Simple and fast to use
- Highly suitable for large-scale health surveys
- Data capture available
- Print out available
- Portable versions available
- Non intrusive - no undressing or contact
- Low risk - meets EU quality directives MDD, CE and NAWI

What are the limitations of Tanita BIA?

- Not recommended for use by patients with pace-makers
- Not as accurate as the 'gold standard' 4 compartment model

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7. Kettaneh A, Heude B, Lommez A, Boys JM, Ducimetière P, Charles MA. Reliability of bioimpedance analysis compared with other adiposity measurements in children: the FLVS II Study. Diabetes Metab 2005; 31:534-43.
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9. SA Jebb, M Siervo, PR Murgatroyd, S Evans, G Fruhbeck, AM Prentice Validity of the leg-to-leg bioimpedance to estimate changes in body fat during weight loss and regain in overweight women: a comparison with multi-compartment models International Journal of Obesity (2006) 1-7
10. HD McCarthy, TJ Cole, T Fry, SA Jebb, AM Prentice Body fat reference curves for children International Journal of Obesity (2006) 30, 598-602



MC 980 MA

Multi Frequency Segmental Body Composition Analyser



The MC980 MA Multi Frequency Segmental Body Composition Monitor is the ultimate tool in providing indepth information for truly personalised consultations.

Tanita has incorporated the very latest multi-frequency BIA technology together with increased data display and flexibility via in-built Microsoft® Windows® software. A full body composition analysis is performed in less than 30 seconds.

The data is then analysed and displayed on screen with full guidance notes and can easily be printed onto a consultation sheet for further discussion. Goals for weight and body fat can also be set to increase motivation and demonstrate progress of any weight or fitness program. All the user data can be stored and used for detailed trend analysis using data management software.

The MC980 MA has been awarded NAWI and MDD Approval for use in medical treatments and consultations.

At a glance

- MDD Approved, NAWI Class III - required for medical assessments
- Integrated Microsoft® Windows® operating system allows simple link ability to other compatible devices
- 6 frequencies allows intra and extra cellular water measurements
- Easy to use touch screen display allows free standing use
- Output to a full assessment sheet for easy consultation
- Simple modular system, can be assembled and disassembled in 10 minutes for ease of portability
- In-built software in 14 languages
- Weighing capacity 300kg
- Calibrated up to 300,000 uses with automatic calibration after each measurement



Total Body Measurements

- Weight
- BMI
- Body Fat %
- Visceral Fat Indicator
- Fat Mass
- Fat Free Mass
- Muscle Mass
- Protein kg
- Total Body Water Kg
- Total Body Water %
- Extra-Cellular Water Kg
- Intra-Cellular Water Kg
- ECW/TBW Ratio
- Basal Metabolic Rate
- Basal Metabolic Rate Indicator
- Bone Mineral Mass Indicator
- Metabolic Age
- Physique Rating

Technical Specification

Approved Usage	MDD approved for medical use
Age Range	5 years - 99 years
Weight Capacity	300 kg
Graduation	0.1kg
Product Dimensions	450 x 490 x 1240 mm
Product Weight	33 kg
Power Source	230V
Interface Connections	3 x USB
Warranty	3 Years



MC 980 MA

A comprehensive analysis in seconds

MC 980 MA brings fast, accurate results in seconds. The information is essential for providing a personalised and in-depth consultation on all aspects of body composition. The ability to register users and track their progress is also an invaluable tool in demonstrating the effectiveness of any weight loss or fitness program.

Client Profile

The Tanita logo can be changed to any other logo to reinforce the service consultation. Other details include the personal data input and an ID number consisting of a maximum of 16 alpha numeric digits.

Core Body Composition Details

This table and graph shows the core components of body composition, measurements are shown in kg and % as well as plotted against desirable ranges to provide a clear picture of overall health and fitness status.

BMR / VFR / TBW Analysis

The Basal Metabolic Rate shows the number of calories required to keep the body functioning when at rest. Visceral Fat is the harmful fat in the abdominal area, the rating indicates whether the level is within the healthy range. Total Body Water shows the weight and % of water in the body. This is further divided into extra cellular and intra cellular water levels. The ECW/TBW ratio shows the relationship between extra cellular water and total body water.

Physique Rating

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

Segmental Analysis

The segmental readings provide in-depth information for each arm, leg and the trunk area.

Muscle Mass Balance

Shows the balance of muscle between the left and right side of the body.

Leg Muscle Score

A score is given to the user's physical condition, and plotted against average healthy values for gender and age. The score is based on the user's leg muscle mass divided by their body weight.

Body Fat Distribution

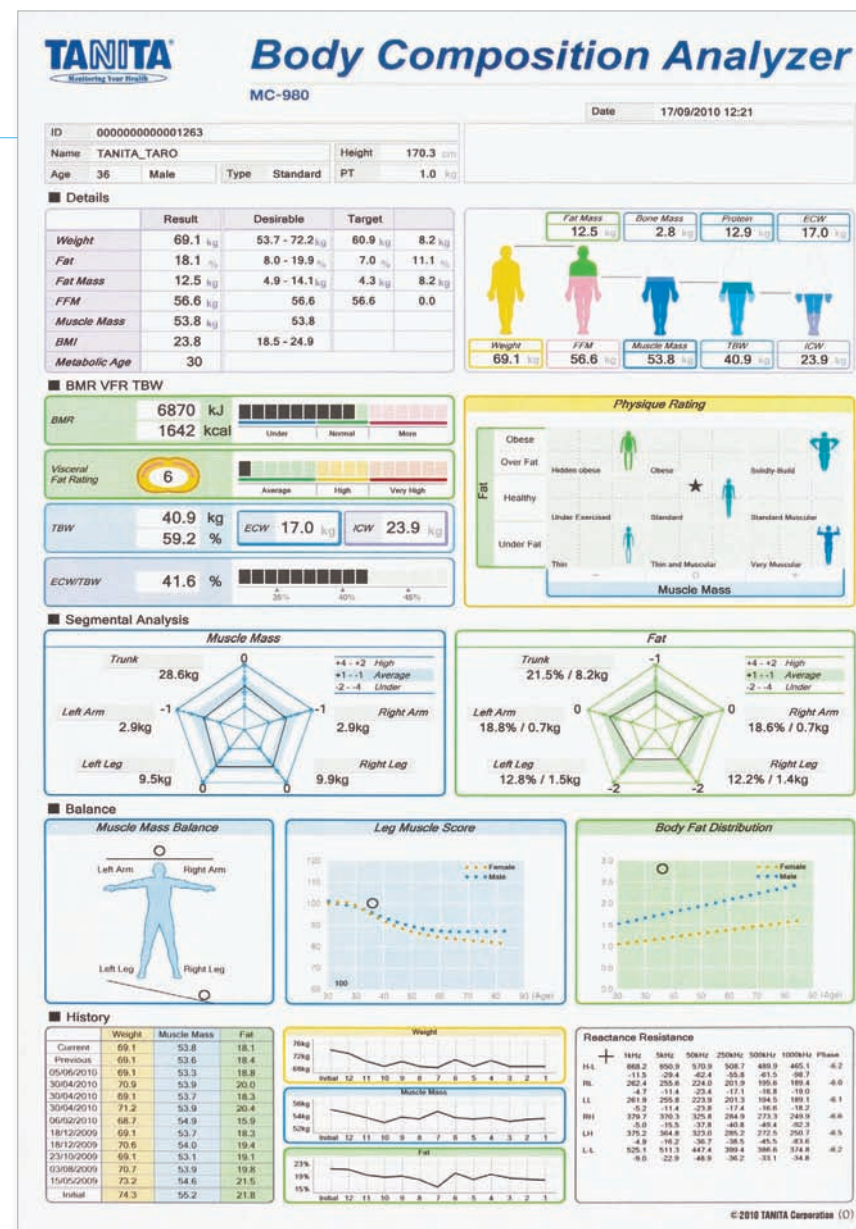
The ratio of upper to lower body fat is calculated, and plotted against average healthy values for gender and age.

History

Shows the first, past and most current core measurements. This information is also plotted on easy-to-read graphs.

Reactance Resistance and Phase Angle Readings

The Reactance Resistance table indicates measurements for the impedance flow at each of the 6 multi frequency signals. Phase Angle is also shown.



Simplicity at your fingertips

Integrated Windows® for Maximum Flexibility

For the first time a fully featured Windows® real time operating system has been incorporated allowing maximum flexibility in downloading data, uploading updates and connecting printers and other accessories for data management.

Inbuilt Software in 14 Languages

All of the in-built software is displayed in 14 languages (English, German, Spanish, Turkish, French, Italian, Dutch, Polish, Danish, Norwegian, Swedish, Finnish, Greek and Russian) making the administrator set up and usability simple, fast and stress free.

Interactive Touch Screen Operation

The intelligent extra large touch screen display will effortlessly guide the client through the measurement process through the extra large interactive touch screen display. The user can register their profile data for future use or just take a single measurement.

Full Analysis and Guidance Information Provided

Tanita has incorporated the latest Advanced BIA technology utilising 6 critical frequencies to take a body composition measurement in under 30 seconds. With the ultra low platform design and high weight capacity of 300kg, the MC980 is suitable even for heavier patients. Once the measurement has been taken, the user can easily see in-depth information, screen by screen, of their results. Key measurements have guidance information boxes to help explain more intricate data.

Registered Users Can Access Previous Measurements

If the user has registered their profile, their body composition analysis will be stored. A full history of each measurement can be shown to highlight their progress helping maintain motivation and understanding of how their body is changing over time.

Detailed Consultation Sheet

A full consultation sheet can then be printed on any Microsoft® Windows® compatible printer for further discussion or future reference. The printer can be connected directly to the MC980 for ease of use.

Database Management Facility

The database management system allows full analysis and manipulation of data suitable for research projects, client data management or programme effectiveness. Data can easily be downloaded to any compatible PC via a simple USB connection.

Modular and Portable

The MC980 construction is modular making transportation very convenient. Due to its clever design, it can be set up in under 10 minutes without any special equipment or tools. The in-built wheels allow for ease of movement from location to location.



MC 180 MA

Multi Frequency Segmental Body Composition Analyser



The MC180MA uses the latest multi frequency BIA technology to bring you the highest accuracy in body composition measurement.

The Analyser will provide measurements for the whole body together with segmental data including each arm, leg and trunk area.

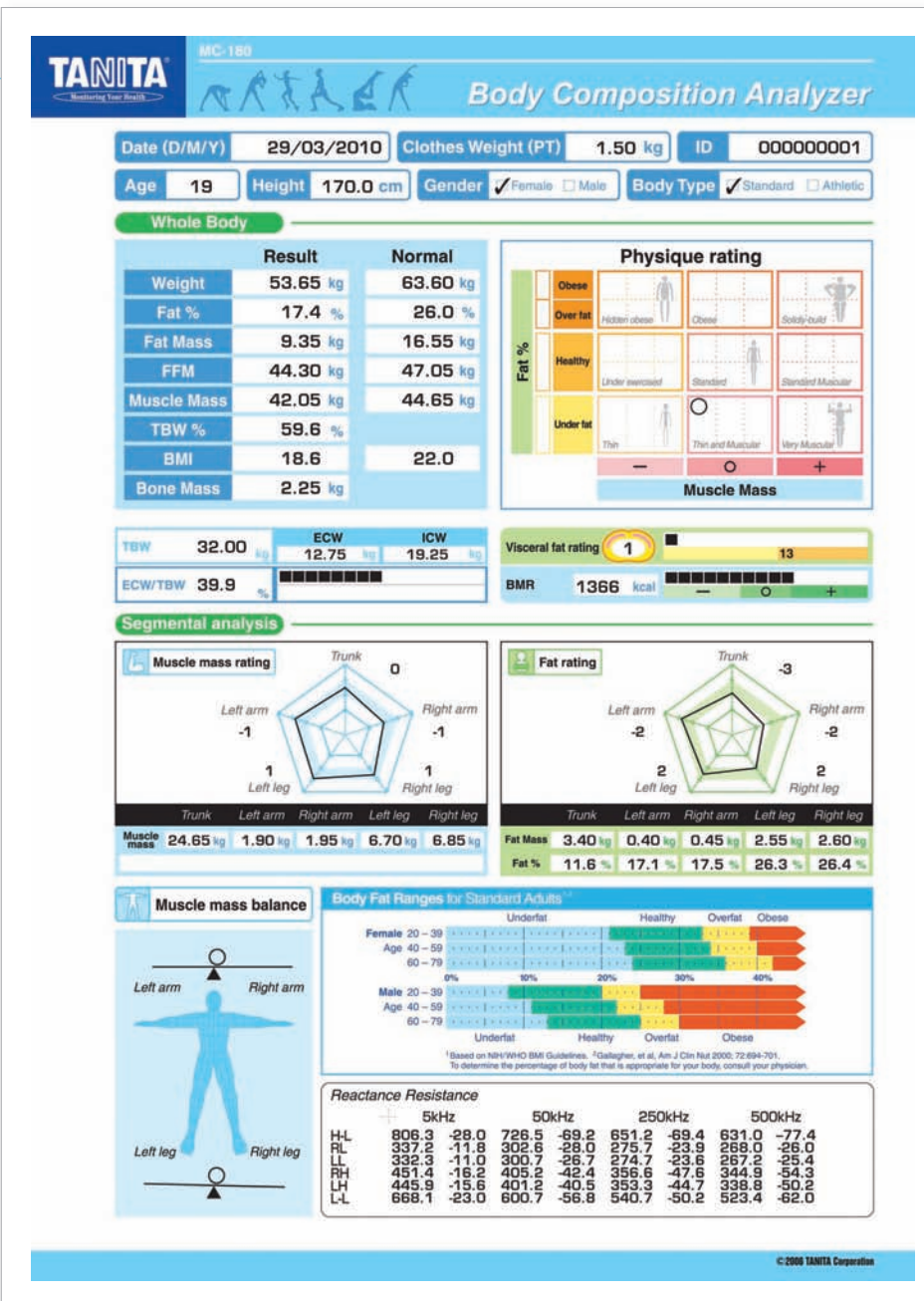
The four frequencies not only allows increased precision but will also calculate intra cellular and extra cellular water measurements providing indepth analysis into body water ratios.

The high contrast touch screen display allows fast data input and displays a detailed analysis of each measurement in detail.

Measurement data can also be automatically transferred to data capture and trend analysis software, allowing less time consuming paper work and more consultation time.

At a glance

- MDD Approved, NAWI Class III – required for medical assessments
- Accurate segmental body composition readings in seconds
- 4 frequencies allows intra and extra cellular water measurements
- Easy to use touch screen display allows free standing use
- Output to a full assessment sheet allowing a full consultation
- High weighing capacity 270kg
- Calibrated up to 300,000 uses with automatic calibration after each measurement



MC 180 MA print out

Total Body Measurements

- Weight
- BMI
- Body Fat %
- Visceral Fat Indicator
- Fat Mass
- Fat Free Mass
- Muscle Mass
- Total Body Water Kg
- Total Body Water %
- Extra-Cellular Water Kg
- Intra-Cellular Water Kg
- ECW/TBW Ratio
- Basal Metabolic Rate
- Basal Metabolic Rate Indicator
- Bone Mineral Mass Indicator

Segmental Measurements

- Segmental Body Fat %
- Segmental Fat Distribution Rating
- Segmental Muscle Mass Kg
- Segmental Muscle Mass Rating
- Segmental Muscle Mass Balance
- Segmental Reactance/Resistance

Technical Specification

Approved Usage **MDD approved for medical use**

Age Range 5 years - 99 years

Weight Capacity 270 kg

Graduation 50 g (0 - 200 kg)
100 g (200 - 270 kg)

Product Dimensions 440 x 850 x 1270 mm

Product Weight 35 kg

Power Source AC 100 - 240V

Interface Connections RS232C, USB

Warranty 3 Years



Available accessories



GMON software

BC 418 MA

Single Frequency Segmental Body Composition Analyser



The BC418MA provides accurate whole body composition readings for the whole body together with segmental data including each arm, leg and trunk area. The segmental readings provide an additional layer of information about the health and fitness status of the individual.

All measurements can be printed using the integrated thermal printer or transferred automatically to software for data collection and long term analysis allowing less time consuming paperwork and more consultation time.

The BC418 is perfect for tracking body composition over time with the additional insight into how a diet and fitness program is changing individual segments of the body.

At a glance

- MDD Approved, NAWI Class III - required for medical assessments
- Instant whole body and segmental body composition readings in seconds
- Integrated printer with automatic print out of results
- Child, adult and athletes modes
- High weighing capacity 200kg
- Calibrated up to 300,000 uses with automatic calibration after each measurement

Data input manually

TANITA BODY COMPOSITION ANALYZER BC-418	
21/SEP/2002 19:29	
BODY TYPE	STANDARD
GENDER	MALE
AGE	34
HEIGHT	179 cm
WEIGHT	73.3 kg
BMI	23.9
BMR	7294 kJ
FAT%	13.1 %
FAT MASS	9.6 kg
FFM	63.7 kg
TBW	46.6 kg
VISCERAL FAT RATING	1
DESIRABLE RANGE	
FAT%	8-20 %
FAT MASS	5.5-15.9 kg

TARGET BF% is :	20%
Predicted weight :	79.6 kg
Predicted fat mass :	15.9 kg
FAT TO GAIN:	6.3 kg
Consult your physician before beginning any weight management program. Tanita is not responsible for determining your target BF%.	

IMPEDANCE	
Whole Body	551 Ω
Right Leg	212 Ω
Left Leg	214 Ω
Right Arm	292 Ω
Left Arm	309 Ω
Segmental Analysis	
Right Leg	
Fat%	8.9 %
Fat Mass	1.1 kg
FFM	11.5 kg
Predicted MuscleMass	10.9 kg
Left Leg	
Fat%	10.1 %
Fat Mass	1.2 kg
FFM	11.0 kg
Predicted MuscleMass	10.4 kg
Right Arm	
Fat%	14.0 %
Fat Mass	0.6 kg
FFM	3.6 kg
Predicted MuscleMass	3.4 kg
Left Arm	
Fat%	15.4 %
Fat Mass	0.6 kg
FFM	3.5 kg
Predicted MuscleMass	3.3 kg
Trunk	
Fat%	15.0 %
Fat Mass	6.0 kg
FFM	34.1 kg
Predicted MuscleMass	32.8 kg

Optional 'goal setter' targets

Segmental Analysis - shows readings for the trunk, legs and arms separately

BC 418 MA print out

Full body composition analysis with desirable ranges for fat

Impedance - the speed at which the current is travelling through the body

Total Body Measurements

- Weight
- BMI
- Body Fat %
- Fat Mass
- Fat Free Mass
- Muscle Mass
- Total Body Water Kg
- Total Body Water %
- Visceral Fat
- Basal Metabolic Rate

Segmental Measurements

- Segmental Body Fat %
- Segmental Fat Mass
- Segmental Fat Free Mass
- Segmental Muscle Mass
- Segmental Impedance

Technical Specification

Approved Usage **MDD approved for medical use**

Age Range 7 years - 99 years

Weight Capacity 200 kg

Graduation 100g

Product Dimensions 377 x 343 x 830 mm

Product Weight 12 kg

Power Source 5V AC Adaptor

Interface Connections RS232C

Output Integrated thermal printer

Warranty 3 Years



Available accessories



GMON software

BC 420 MA

Whole Body Composition Monitor with Healthy Range Indicators



The BC420MA provides accurate body composition measurements in seconds. The easy-to-use console has been designed to guide the user through data input, making it ideal for high usage within a medical setting.

Readings such as basal metabolic rate and metabolic age have proven to be great motivators. All measurements can be printed using the integrated thermal printer or transferred automatically to software for data collection and long term analysis.

At a glance

- MDD Approved, NAWI Class III - required for medical assessments
- Whole Body Composition measurements in 10 seconds
- Guided data input, ideal for high usage
- Healthy Range Indicators automatically compare several key measurements to their respective healthy range
- High weight capacity 270kg
- Calibrated up to 300,000 uses with automatic calibration after each measurement

Data input manually

TANITA
BODY COMPOSITION ANALYZER
BC-420MA

24/FEB/2006 15:15
SERIAL No. 00000001

BC 420 MA print out

INPUT

ID No.	0000123456
BODY TYPE	STANDARD
GENDER	MALE
AGE	24
HEIGHT	174.5cm
CLOTHES WEIGHT	1.0kg

RESULT

WEIGHT	61.1kg
FAT %	9.1 %
FAT MASS	5.6kg
FFM	55.5kg
MUSCLE MASS	52.7kg
TBW	39.9kg
TBW %	65.3 %
BONE MASS	2.8kg
BMR	6786 kJ
METABOLIC AGE	1622kcal
VISCERAL FAT RATING	12
BMI	20.1
IDEAL BODY WEIGHT	67.0kg
DEGREE OF OBESITY	-8.8 %

DESIRABLE RANGE

FAT %	8.0-19.9 %
FAT MASS	4.8-13.8kg

Target

TARGET BF% is: 12 %

Predicted weight: 63.1kg

Predicted fat mass: 7.6kg

FAT TO GAIN: 2.0kg

Consult your physician before beginning any weight management program. Tanita is not responsible for determining your targetBF%.

INDICATOR

*FAT %

- | 0 | + | ++

*BMI

- | 0 | + | ++

*VISCERAL FAT RATING

13

*MUSCLE MASS

- | 0 | +

*BMR

- | 0 | +

*PHYSIQUE RATING

STANDARD

*IMPEDANCE 496.6 Ω

Desirable ranges for fat

Full body composition analysis

Optional Goal Setter function allows body fat target to be set

Indicator to show the classification of readings

Impedance - the speed of the current travelling through the body

Total Body Measurements

- Weight
- BMI
- Body Fat %
- Fat Mass
- Fat Free Mass
- Muscle Mass
- Total Body Water Kg
- Total Body Water %
- Basal Metabolic Rate
- Target Ranges
- Bone Mineral Mass
- Visceral Fat Indicator
- Metabolic Age
- Healthy Bone Mass Indicator

Technical Specification

Approved Usage **MDD approved for medical use**

Age Range 5 years - 99 years

Weight Capacity 270 kg

Graduation 100g

Product Dimensions

- P Version 372 x 690 x 1022 mm

- S Version 372 x 375 x 101 mm

Product Weight

- P Version 12.1 kg

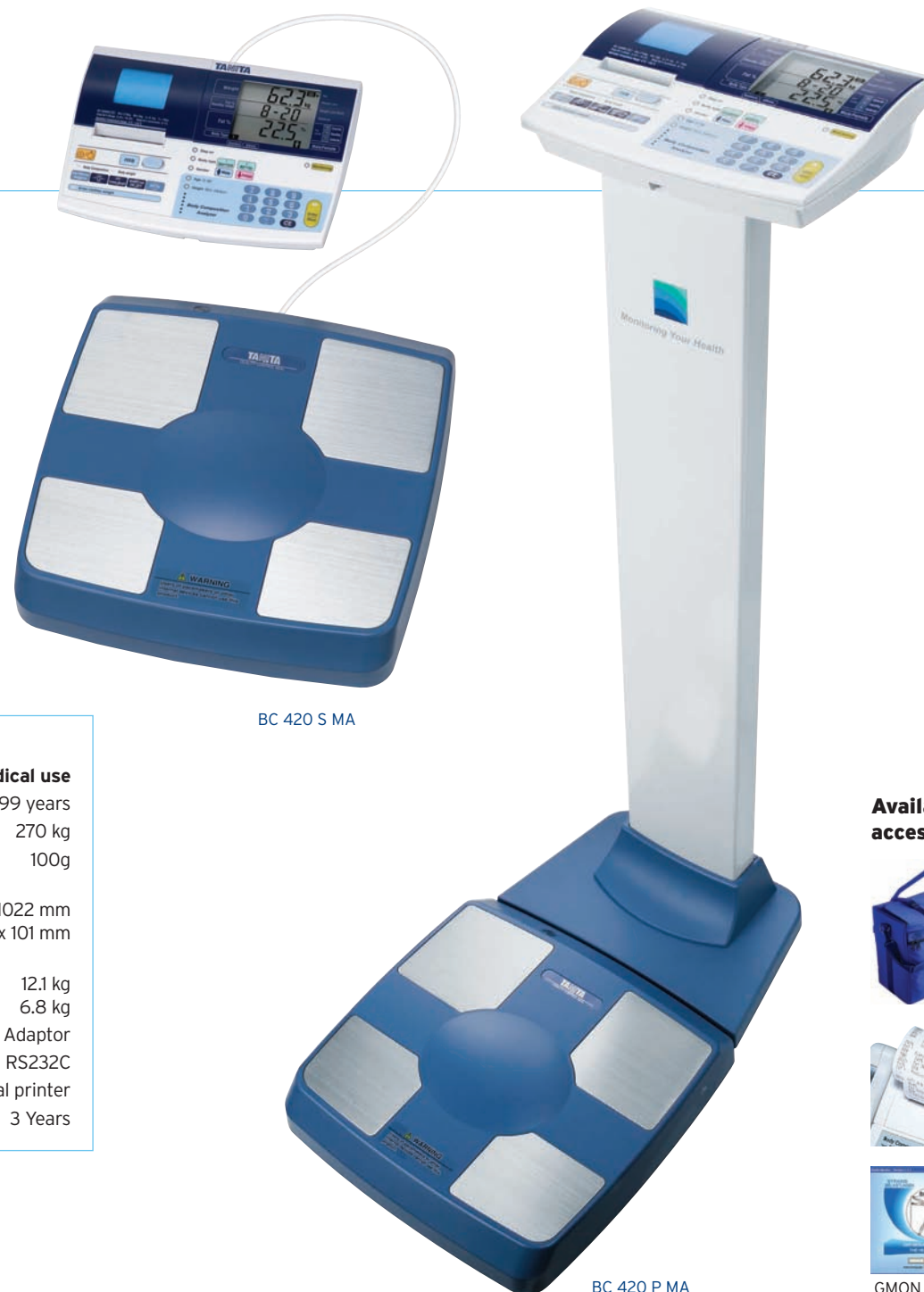
- S Version 6.8 kg

Power Source 7V Adaptor

Interface Connections RS232C

Printer Integrated thermal printer

Warranty 3 Years



BC 420 S MA

BC 420 P MA

Available accessories



GMON software

SC 330

Whole Body Composition Monitor with Healthy Range Indicators



The SC 330 provides whole body composition measurements in seconds. The easy-to-use console has been designed to guide the user through data input, making it ideal for high usage purposes.

The print out also provides a quick analysis of key results so the user can instantly understand their health status at a glance. Readings such as basal metabolic rate and metabolic age have proven to be great motivators.

All measurements can be printed using the integrated thermal printer or transferred automatically to software for data collection and long term analysis.

At a glance

- Whole Body Composition measurements in 10 seconds
- Guided data input, ideal for high usage
- Healthy Range Indicators automatically compare several key measurements to their respective healthy range
- High weight capacity 270kg / 42 st 7 lb
- Metric only or Imperial/Metric versions available
- Measurements in metric and imperial units
- Calibrated up to 300,000 uses with automatic calibration after each measurement

Data input manually

TANITA
BODY COMPOSITION ANALYZER

24/FEB/2006 15:15
SERIAL No. 00000001

INPUT
ID No. 0000123456
BODY TYPE STANDARD
GENDER MALE
AGE 24
HEIGHT 174.5cm
CLOTHES WEIGHT 1.0kg

RESULT
WEIGHT 61.1kg
FAT % 9.1 %
FAT MASS 5.6kg
FFM 55.5kg
MUSCLE MASS 52.7kg
TBW 39.9kg
TBW % 65.3 %
BONE MASS 2.8kg
BMR 8786 kJ
1622kcal
METABOLIC AGE 12
VISCERAL FAT RATING 1
BMI 20.1
IDEAL BODY WEIGHT 67.0kg
DEGREE OF OBESITY -8.8 %

DESIRABLE RANGE
FAT % 8.0-19.9 %
FAT MASS 4.8-13.8kg

Target
TARGET BF% is: 12 %
Predicted weight: 63.1kg
Predicted fat mass: 7.6kg
FAT TO GAIN: 2.0kg
Consult your physician before beginning any weight management program. Tanita is not responsible for determining your targetBF%.

INDICATOR
*FAT %
- | 0 | + | ++
*BMI
- | 0 | + | ++
*VISCERAL FAT RATING
13
*MUSCLE MASS
- | 0 | +
*BMR
- | 0 | +
*PHYSIQUE RATING
STANDARD
*IMPEDANCE 496.6 Ω

SC 330 print out

Full body composition analysis

Desirable ranges for fat

Optional Goal Setter function allows body fat target to be set

Indicator to show the classification of readings

Impedance - the speed of the current travelling through the body

Total Body Measurements

- Weight
- BMI
- Body Fat %
- Fat Mass
- Fat Free Mass
- Muscle Mass
- Total Body Water Kg
- Total Body Water %
- Basal Metabolic Rate
- Target Ranges
- Bone Mineral Mass
- Visceral Fat Indicator
- Metabolic Age
- Healthy Bone Mass Indicator

Technical Specification

Age Range	5 years - 99 years
Weight Capacity	270kg / 42st 7lb
Graduation	100g
Product Dimensions	
- Pole Version	372 x 690 x 1022mm
- Separate Version	372 x 375 x 101mm
Product Weight	
- Pole Version	12.1kg
- Separate Version	6.8kg
Power Source	7V Adaptor
Interface Connections	RS232C
Output	Integrated thermal printer
Warranty	3 years



SC 330 S MA



SC 330 P MA

Available accessories



GMON software

SC 240 MA

Worlds First Lightweight, Medically Approved Scale with Body Composition



The SC240MA is a unique medically approved weight scale incorporating the latest Tanita BIA technology to provide highly accurate and repeatable measurements including body fat and body water.

The Scale will also display weight and BMI readings on the oversized, easy to read display making it ideal for high frequency use. Weighing just 4.7kg, the Scale is highly portable and ideal for field research.

An inbuilt USB port allows simple data transfer to data capture software allowing less time consuming paperwork and increased accuracy.

At a glance

- MDD Approved, NAWI Class III - required for medical assessments
- Lightweight, scale with essential body fat, body water and BMI measurements
- High weight capacity 200kg
- Large, low profile platform suitable for overweight or elderly patients
- Instant data transfer via USB port, software available
- Calibrated up to 300,000 uses with automatic calibration after each measurement

Measurements

- Weight
- Body fat %
- Body water %
- BMI

Measurements available via software

- Body Fat %
- BMI
- Fat Mass
- Fat Free Mass
- Body Water %
- Body Water Mass
- Muscle Mass
- Bone Mineral Mass
- Visceral Fat Level
- Basal Metabolic Rate
- Metabolic Age

Technical Specification

Approved Usage	MDD approved for medical use
Age Range	5 years - 99 years
Weight Capacity	200kg
Graduation	100g
Product Dimensions	340 x 440 x 65 mm
Product Weight	4.7kg
Power Source	9 V Adaptor or 6 x AA Batteries
Interface Connections	USB
Warranty	3 years



Available accessories



GMON software

BF 350

Whole Body Composition Analyser with Integrated Display



The BF350 incorporates an integrated display showing weight, body fat percentage, and body mass index.

A practical and mobile system designed for weight management and fitness providers.

By adding Software, you have the ability to download additional measurements, such as: fat mass, fat free mass, basal metabolic rate, total body water, and impedance, via the RS232 output

At a glance

- Easy to use and set up user data
- High weight capacity 200kg
- Compact and robust design
- Calibrated up to 300,000 uses with automatic calibration after each measurement

Measurements

- Weight
- BMI
- Body Fat %

Measurements available via software

- Fat Mass
- Fat Free Mass
- Basal Metabolic Rate
- Total Body Water
- Impedance

Technical Specification

Age Range	7 years - 99 years
Weight Capacity	200kg
Graduation	100g
Product Dimensions	400 x 200 x 95mm
Product Weight	8.5kg
Power Source	9V Adaptor
Interface Connections	RS232C
Warranty	3 years



Available accessories



GMON software

AB 140 M

Abdominal Fat Analyser



Tanita has pioneered the AB 140MA, an innovative concept which directly measures trunk fat, waist circumference and indicates visceral fat level using the latest Tanita patented technology. The data can be transferred automatically to a computer using the latest software.

Measurements

- Shows trunk fat percentage: on a scale of 5.0 - 75.0% (0.1% graduation)
- Assesses trunk fat percentage: using a 9- step bar-graph display from low to high
- Indicates Visceral fat level on a level of 1 - 59 (0.5 graduation)
- Assesses visceral fat level using a 6-step bar-graph display from standard to excessive
- Estimates waist circumference: 50 - 130 cm (1 cm graduation)
- "Over 130cm Mode" allows measurement of subjects with a waist circumference of 130cm or greater

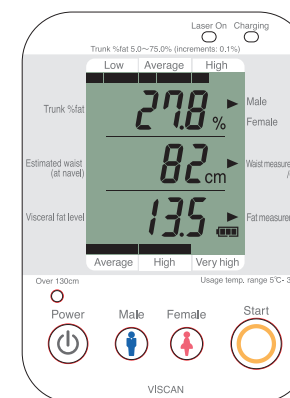


At a glance

- Convenient to work with the disabled, critically ill and elderly
- Measurements are taken in under 30 seconds
- Easy to set up and use - no training required
- Highly accurate and repeatable results
- Lightweight and portable (carry case included)

Technical Specification

Approved Usage	MDD approved for medical use
Product Dimensions	630 x 440 x 250 mm
Product Weight	2.9 kg
Power Source	AC adaptor; input 100 - 240 V; output 12 V, 2 A DC 6 V, AAA alkaline dry cell x 4
Interface Connections	RS232C
Warranty	3 years



Available accessories



GMON software

Body Composition Analyser Overview

	Segmental Body Composition Analysers			Full Body Measurement - Body Composition Analysers						Abdominal Fat Analyser
	MC 980 MA	MC 180 MA	BC 418 MA	BC 420 P MA	BC 420 S MA	SC 330 P	SC 330 S	SC 240 MA	BF 350	AB 140 M
APPROVAL										
MDD Approved for Medical Use	✓	✓	✓	✓	✓			✓		✓
NAAWI CLASS	III	III	III	III	III	III	III	III	III	III
CE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ISO 9001	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TOTAL BODY MEASUREMENTS										
Weight	✓	✓	✓	✓	✓	✓	✓	✓	✓	
BMI	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Body Fat %	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Visceral Fat Indicator	✓	✓	✓	✓	✓	✓	✓	S		✓
Fat Mass	✓	✓	✓	✓	✓	✓	✓	S	S	
Fat Free Mass	✓	✓	✓	✓	✓	✓	✓	S	S	
Muscle Mass	✓	✓	✓	✓	✓	✓	✓	S		
Protein Kg	✓									
Total Body Water Kg	✓	✓	✓	✓	✓	✓	✓	S	S	
Total Body Water %	✓	✓	✓	✓	✓	✓	✓	S		
Basal Metabolic Rate	✓	✓	✓	✓	✓	✓	✓	S	S	
Basal Metabolic Rate Indicator	✓	✓		✓	✓	✓	✓			
Bone Mineral Mass kg	✓	✓		✓	✓	✓	✓	S		
Metabolic Age	✓			✓	✓	✓	✓	S		
Physique Rating	✓	✓								
Target Ranges	✓	✓	✓	✓	✓	✓	✓	✓		
Goal Setter	✓		✓	✓	✓	✓	✓			
Extra-Cellular Water Kg	✓	✓								
Intra-Cellular Water Kg	✓	✓								
ECW/TBW Ratio	✓	✓								
Abdominal Fat %									✓	
Waist Circumference									✓	
SEGMENTAL MEASUREMENTS										
Segmental Body Fat %	✓	✓	✓							
Segmental Body Fat kg	✓	✓	✓							
Segmental Fat Distribution Rating	✓	✓								
Segmental Fat Mass %	✓	✓	✓							
Segmental Fat Mass Kg	✓	✓								
Segmental Fat Free Mass	✓		✓							
Segmental Muscle Mass Kg	✓	✓	✓							
Segmental Muscle Mass Rating	✓	✓								
Segmental Muscle Mass Balance	✓	✓								
Leg Muscle Score	✓									
Segmental Impedance			✓							
Segmental Reactance/Resistance	✓	✓								
Segmental Phase Angle	✓									
TECHNICAL SPECIFICATION										
Weight Capacity	300 kg	270 kg	200kg	270 kg	270 kg	270 kg	270 kg	200 kg	200 kg	n/a
Graduation	0.1kg	50g (0-200kg) 100g (200-270kg)	100g	100g	100g	100g	100g	100g	100g	n/a
Product Dimensions (mm)	450 x 490 x 1240	440 x 850 x 1270	377 x 343 x 830	372 x 690 x 1022	372 x 690 x 1022	372 x 690 x 1022	372 x 690 x 1022	340 x 440 x 65	400 x 200 x 95	630 x 440 x 250
Product Weight	33kg	35kg	12kg	12.1kg	12.1kg	12.1kg	12.1kg	4.7kg	8.5kg	2.9 kg
Interface Connections	USB	RS232C, USB	RS232C	RS232C	RS232C	RS232C	RS232C	USB	RS232C	RS232C
Printer			Integrated Thermal Printer	Integrated Thermal Printer	Integrated Thermal Printer	Integrated Thermal Printer	Integrated Thermal Printer			

s = measurements obtained via optional software

TANITA
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The global leader in precision weighing and BIA body composition equipment

Touch Design UK, February 2011

