



bodivis

Safeguard Your Health

Tongfang Health Technology Co.,Ltd

What is body composition?

Body composition is a method of describing what the body is made of. In physical fitness, body composition is used to describe the percentages of fat, bone, water and muscle in human bodies. Because muscular tissue takes up less space in the body than fat tissue, body composition, as well as weight, determines leanness. Two people of the same sex and body weight may look completely different because they have a different body composition.

The Meaning of Bodivis Body Composition Analysis

Human body consists of water, protein, fat and minerals. These elements exist in a certain ratio, which is balanced in healthy people. Bodivis body composition analyzer precisely tests out the unbalanced indexes, which can be used as an indicator for many diseases as obesity, metabolic disorder, malnutrition etc.

- For precise obesity analysis
- For quick health assessment
- Predict the risk of chronic diseases
- Making plans for physical exercise
- Making scheme for weight control
- Evaluate the progress and achievement of weight control
- Basic data for proper diet plan



COMPANY PROFILE

Tongfang Health Technology Co.,Ltd is an affiliated public company wholly subordinate to Tsinghua Tongfang Group,which floated on SSE in 1997. With core body composition analyzing technology and patent rights, Tongfang Health is committed to become an industry leading enterprise.

Established in 2002,Tongfang Health Technology Co.,ltd owns top notch R&D team from Tsinghua University,which is appraised as the top twenty in 2019 World University QS Ranking. Leading by professor Xiuyuan Zheng, the human body composition analyzing project was proceeded long before the launch of Shenzhou manned spaceship in 2003, to accurately calculate body composition difference in space and to ensure that the astronauts could live in no gravity circumstance.

Our Mission -- Safeguard Your Health.

The Accuracy of Bodivis Body Composition Analyzer

The putative three gold standards in the world for body composition analyzing

- 1. Dual Energy X-ray Absorptiometry (DEXA) for Bone
- 2. Magnetic Resonance Imaging (MRI) for Fat and Protein
- 3. Isotope Dilution Method (DLW) for Water

Bodivis body composition analyzer is the only brand in the world calibrated with MRI, DEXA and Isotope Dilution Method. It reaches a most high relative rate with the three gold standards.

Relative Rate:

DEXA---Bone---96.7%

MRI---Protein and Fat --- 98.3%

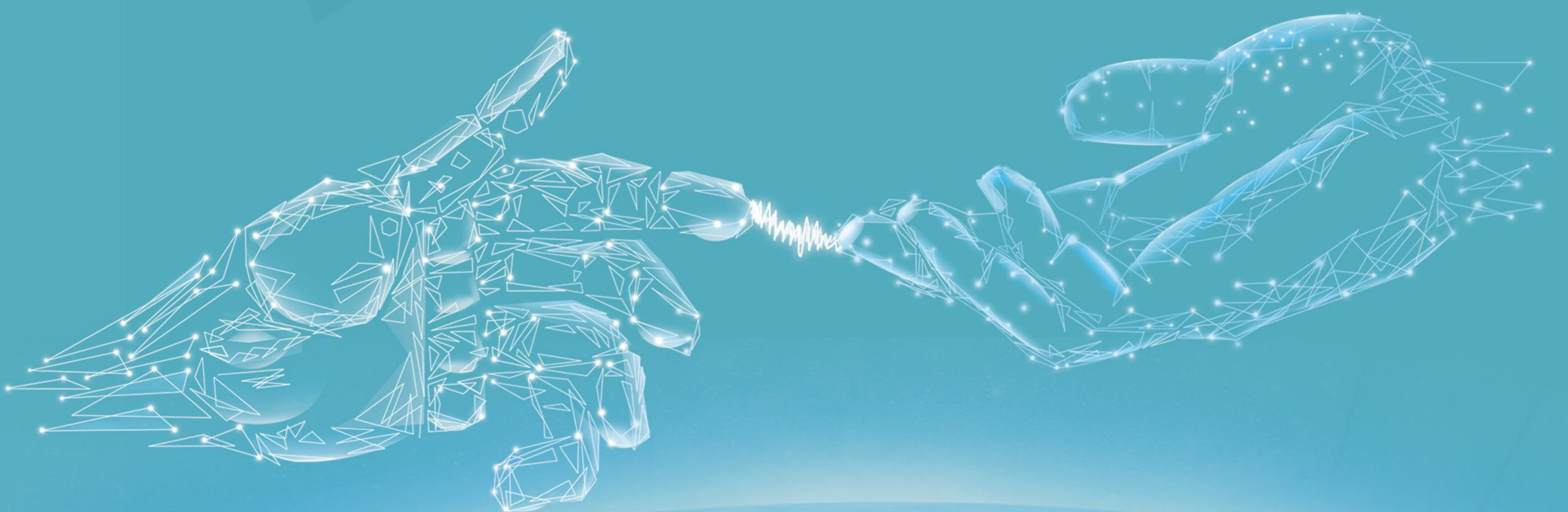
DLW---Water---99.5%

BIA Technology

Bodivis uses 6 testing circuits as left arm-right leg, left arm-left leg, right arm right leg, right arm-left leg, right arm-left arm, in which way it is able to test out the most accurate impedances on different body compositions.

Multi-frequency Bioelectrical Impedance Analysis (MFBIA) utilizing frequencies between 1KHZ and 1000KHZ. An electric current less than 200 KHZ cannot penetrate cell and flows through extracellular water(ECW),which is used to measure extracellular water. While an electric current over 200KHZ penetrates cell membranes and flows through cell so is used to measure total body water (TBW). With multiple frequencies, ECW and TBW are measured separately, which gets diagnosis of body water balance,especially edema.

When current and voltage overlap, impedance can be measured. With tetrapolar 8-point tactile electrode system, by separating current and voltage into the hand and foot electrodes, the point of overlap can be controlled to isolate the five cylinders of the body (limbs and torso) and consistently start at the same location on the wrists and ankles for reproducible results.



BCA-2A

Ultimate tool in providing in-depth information for truly personalized consultations

Features:

- ▲ High correlation with MRI, DEXA and isotope dilution method
- ▲ 5, 50, 100, 250, 500 KHz test frequencies
- ▲ Segmental analysis for muscle, fat and bone
- ▲ Visceral fat evaluation
- ▲ 53 test results



BCA-2A

Technical data of BCA-2A

Model	BCA-2A
Measuring method	Direct Segmental Multi-frequency Bioelectrical Impedance Analysis Method(DSM-BIA)
Electrode Method	Tetrapolar 8-Point Tactile Electrode System
Resistance Scope	100~1000 Ω
Current	500μA
Power Supply	AC 110~220V, 50Hz
Display	8.4'(800*600) color TFT touch LCD
External Interface	RS 232C(9 pin), USB port, RJ45(10/100Base-T)Ethernet
Printer	Recommended printer
Dimension	765 (L)\times440(W)\times1015mm
Machine Weight	25kgs
Measurement Duration	<50 seconds
Height Range	50~210cm (1 ft. 8 in.~6 ft.7 in.)
Weight Range	5-250kgs (22 - 551lbs.)
Age Range	7~99
Output	39 Testing Indexes

BCA-1A

High correlation with MRI, DEXA and isotope dilution method

Features:

- ▲ 50,250,500 KHz test frequencies
- ▲ Segmental muscle and fat analysis
- ▲ Visceral fat analysis
- ▲ 40 test results



BCA-1A

Technical data of BCA-1A

Model	BCA-1A
Measuring method	Direct Segmental Multi-frequency Bioelectrical Impedance Analysis Method(DSM-BIA)
Electrode Method	Tetrapolar 8-Point Tactile Electrode System
Resistance Scope	100~1000Ω
Current	500μA
Power Supply	AC 110~220V, 50Hz
Display	5.7"(640*320) color TFT touch LCD
External Interface	RS 232C(9 pin), USB port, RJ45(10/100Base-T)Ethernet
Printer	Recommended printer
Dimension	652(L)×420(W)×980mm
Machine Weight	20kgs
Measurement Duration	<50 seconds
Height Range	50~210cm (1 ft. 8 in.~6 ft.7 in.)
Weight Range	5-250kgs (22 - 551lbs.)
Age Range	7~99
Output	32 Testing Indexes

BCA-1CB

Typical Internal Printer and Foldable Design for Easier Operation

Features:

- ▲ Build-in thermal printer
- ▲ 50,250KHz test frequencies
- ▲ 8 inches color TFT touch LCD
- ▲ Visceral fat analysis
- ▲ 25 test results



BCA-1CB

Technical data of BCA-1CB

Model	BCA-1CB
Measuring method	Direct Segmental Multi-frequency Bioelectrical Impedance Analysis Method(DSM-BIA)
Electrode Method	Tetrapolar 8-Point Tactile Electrode System
Resistance Scope	100~1000 Ω
Current	500μA
Power Supply	AC 110~220V, 50HZ
Display	8.4'(800*600) color TFT touch LCD
External Interface	RS 232C(9 pin), USB port, RJ45(10/100Base-T)Ethernet
Printer	Recommended printer
Dimension	662(L)\times410(W)\times968mm
Machine Weight	10kgs
Measurement Duration	<50 seconds
Height Range	50~200cm (1 ft. 8 in.~6 ft.7 in.)
Weight Range	10~250kgs (22 ~ 551lbs.)
Age Range	7~99
Output	23 Testing Indexes

Comparison of Three Models

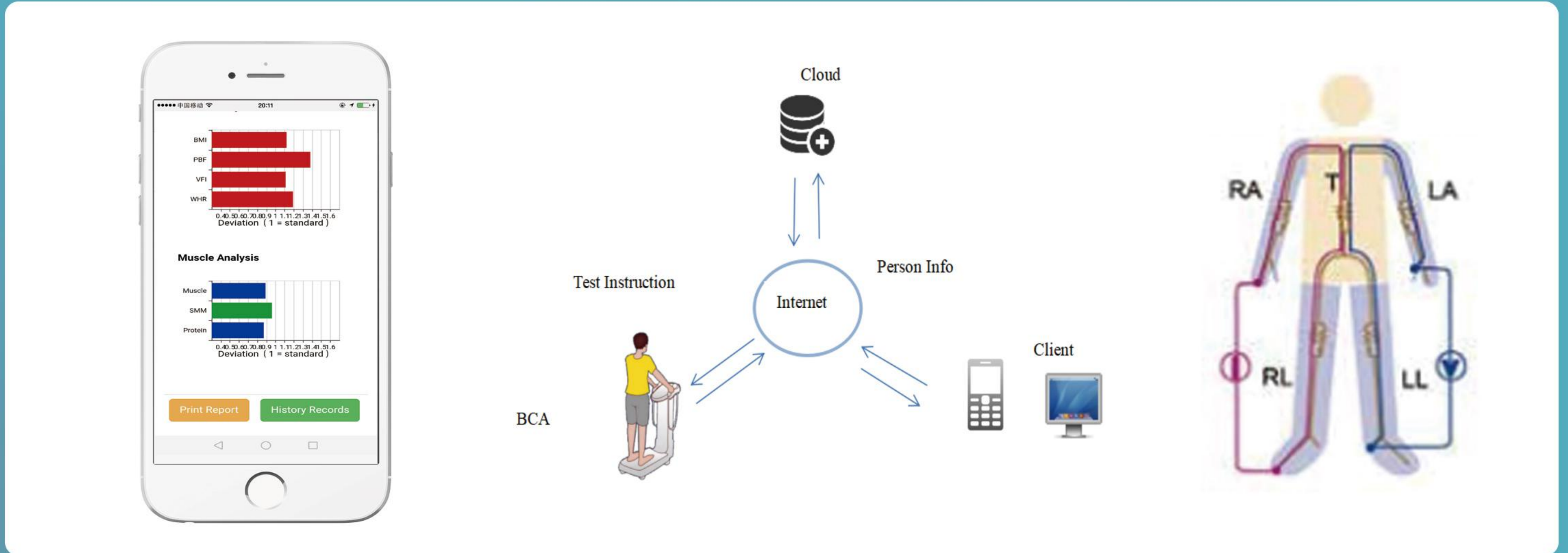
Parameter comparison

	BCA-2A	BCA-1A	BCA-1CB
Display Type	8.4"(800*600)color TFT touch LCD	5.7"(320*240)color TFT touch LCD	8.4"(800*600)color TFT touch LCD
Measurement	53	40	25
Frequencies	5	3	2
Internal Printer	No	No	No
Measurement Duration	50 seconds	30 seconds	30 seconds
Languages	5	3	5
Muti-Languages Customization	Yes	No	Yes
Weight Range	5-250kg (11~551lbs)	5-250kg (11~551lbs)	5-250kg (11~551lbs)
Height Range	50-230 cm	50-230 cm	50-230 cm
Dimension	765*440*1015mm	652*420*980mm	662*410*968mm



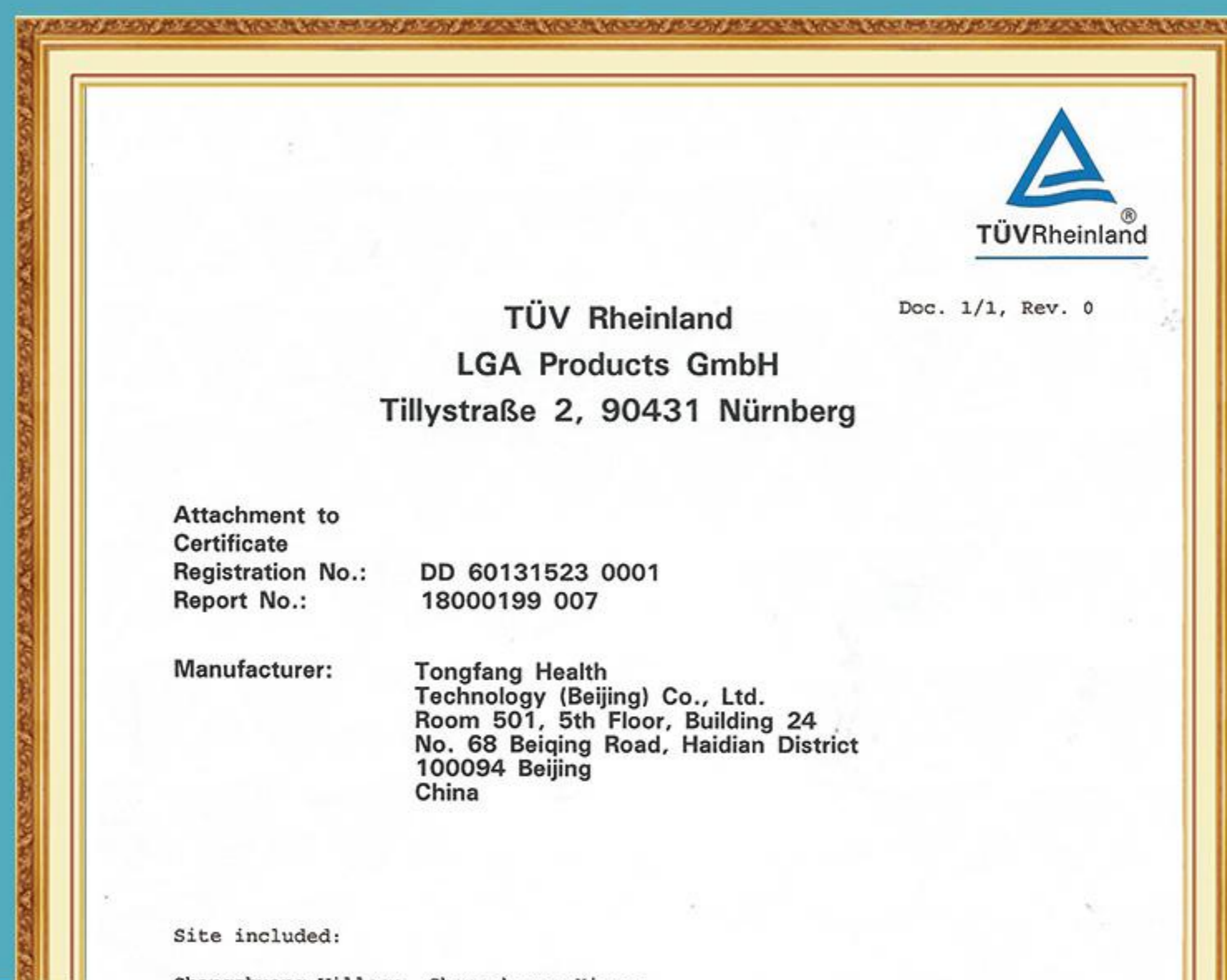
Wifi Connection and Bodivista System

Unique bodivista system, easy data management from PC.

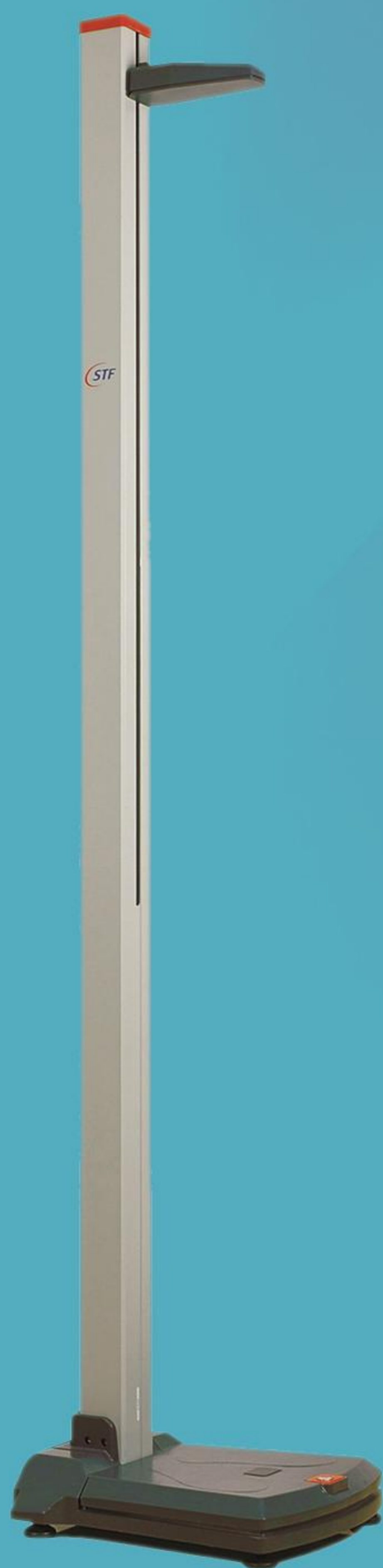


PRINTING REPORTS

TUV medical CE certified and won the Gold Crown Award



... of the directive 93/42/EEC have been established and applies a quality standard by Annex V, section 4 of the directive. This certificate is issued for the following activities: Design, production(outsourcing) and service of series products of corporeity testing, design, production and service of series products of body composition analyzers, design, production(outsourcing) and service of series products of intelligent composition scale



Hand Dynamometer

Hand Dynamometer Test can measure hand and upper arm strength. After input ID number, hold the handle; use your maximum power continuously. Finally, the test result will be displayed in the LCD.

Hand Dynamometer

Model	CSTF-WL-5000	
Function	Automatic measuring forearm muscle power	
Specification	Measurement	5-99.9kgf
	Resolving	0.1kgf
	Precision	±0.3kgf



Pneumatometer

Lung capacity Test can measure hand and upper arm strength. After input ID number, hold the handle; use your maximum power continuously. Finally, the test result will be displayed in the LCD.

Sit and reach Tester

Sit and Reach Test is to measure how far you can reach beyond your toes from a sitting position. That is an index of your flexibility. Sit on the test-board and push the pushrod as far as you can with hands close together. Finally, the test result will be displayed in the LCD.

Pneumatometer

Model	CSTF-FH-5000	
Function	Automatic measuring maximum vital capacity	
Specification	Measurement	100-9999ml
	Resolving	1ml
	Precision	±2.5%

Sit and Reach Tester

Model	CSTF-TQ-5000	
Function	Automatic measuring body curve up ability(flexibility)	
Specification	Measurement	-20cm-35cm
	Resolving	0.1cm
	Precision	±0.2cm

Physical Fitness Testing System

5000 serials—Intelligent Net System Single use or connect to a testing net, transferring data to PC fast and securely. Automatic testing, voice assistant, local storage, mode switch are available. Portable bracket and wheels make it move easily. Physical test software supporting data auto collection, assessment, report print and data export. Functions for non-touch IC card and wireless data-transfer are available. The higher testing speed because of auto-identifying ID through connecting with Code Scanner makes the system suitable for large scale test.

Height/Weight Tester

Height and weight are important index to evaluate body shape. Generally, BMI index is often been used. Firstly, stand on the base of the scale, face outside and put your back closed to the column. Input your ID number, and then the height gauge will fall down automatically to measure your height. The weight is measured at the same time; finally, the test result will be displayed in the screen.

Parameter comparison

Model	CSTF-ST-5000	
Function	Automatic measuring body height & weight	
Specification	Measurement	90-210cm; 5-150kg
	Resolving	0.1cm; 0.1kg
	Precision	±0.2%;±0.3%

Defend the Life of Astronauts Safeguard the Health of Human

Tongfang Health Technology (Beijing) Co.,Ltd.

 Tel: 0086-10-82899697

 Fax: 0086-10-82784717

 Email: info@tfhtbodivis.com

 Website: www.bodivis.com.cn

 5th Floor, Building 24, No.68, Beiqing Road, Haidian District, Beijing 100094, China