MC-BCA100
BODY COMPOSITION ANALYSIS

MEICET ®

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MC-BCA100

BODY COMPOSITION ANALYSIS

FEATURES

- **BIA TECH**
  (Bioelectrical Impedance Analysis)
- **Multiple Frequencies**
- **Direct Segmental Measurement**
- **8-Point Tactile Electrode System with Thumb Electrodes**
- **Four Kinds of Reports**
- **Standby Advertisements**

MC-BCA100 is designed with professional biomedical engineers. It has improved existing BIA technology to provide accurate body composition analysis to more professional. The accuracy of the machine is about 96%.
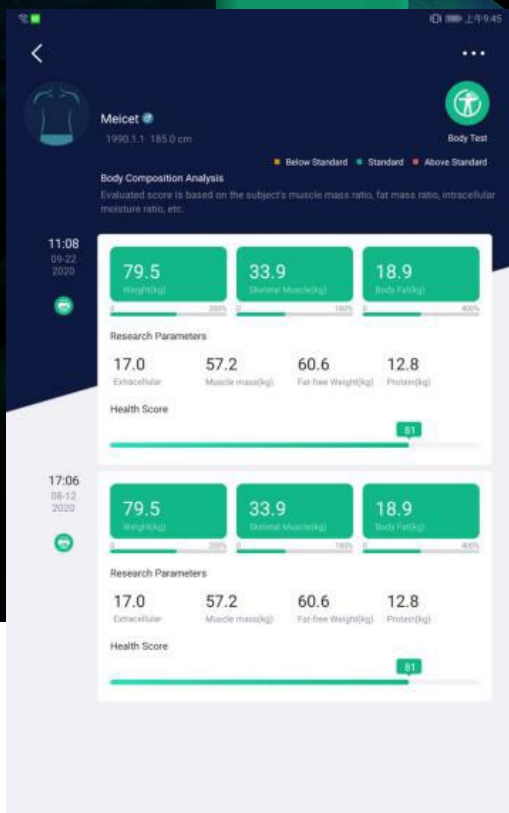
MC-BCA100 has details report and four kinds of print reports (health, beauty, fitness and standard) to meet different clients' requirements.

MC-BCA100 is an essential tool for any hospital, clinic, health care center, fitness, gym, firm health management, spa, salon and so on.
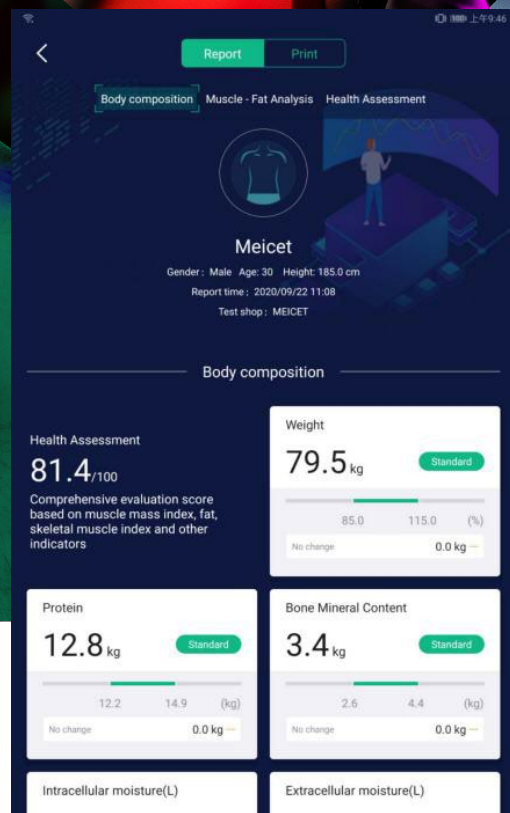
MC-BCA100 allows to add your own logo, shop name and contact information, those information will come out on report paper.

Same tester's report will be displayed on one account, very convenient to check reports from different periods.

The detailed report has a clearer understanding of the test items and more convenient for the coach to explain the details.

MC-BCA100 has
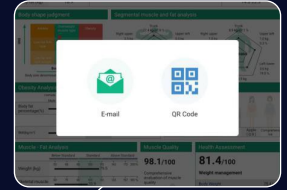# details report and four kinds of print reports

Fitness Health Beauty Standard

E-mail QR Code

< Report Print

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ID	Height	Gender	Age	Detection time
聚聚聚聚	185.0 cm	Male	30	2020/09/22 11:08

Body Composition Analysis

Project	Measurements	Body water	Muscle mass	Fat-free mass	Weight	Standard range
Intracellular moisture(L)	27.4	44.4	126.2	133.7	175.4	21.3-26.1
Extracellular moisture(L)	17.0					13.1-16.0
Protein (Lbs)	28.2					26.9-32.9
Bone Mineral Content (Lbs)	7.5					5.7-9.7
Body fat (Lbs)	41.7					31.6-49.2

Muscle - Fat Analysis

	Below Standard	Standard	Above Standard
Weight (Lbs)	50 68 85	100 115 143	172 200%
		175.4	
Skeletal muscle (Lbs)	60 75 90	100 110 133	157 180%
		74.8	
Body fat (Lbs)	50 65 80	100 160 240	320 400%
		41.7	

Muscle Quality

98.1/100

Comprehensive evaluation of muscle quality

Invention project

Body Weight	166.4 Lbs
Weight control	Need reduce 9.0 Lbs
Fat control	Need reduce 14.3 Lbs
FFMI	17.71
Basal metabolism	1678.0 kcal
FMI	5.8 kg/m²
Edema coefficient	0.38

Segmental muscle and fat analysis

Muscle mass
Trunk 60.5 Lbs/47.9 %
Right upper 7.7 Lbs 6.1 %
Upper left 7.7 Lbs 6.1 %
Right lower 20.7 Lbs 16.4 %
Left lower 21.2 Lbs 16.8 %
Total muscle mass: 126.2 Lbs

Fat mass
Trunk 19.6 Lbs/47.1 %
Right upper 2.2 Lbs 5.3 %
Upper left 2.2 Lbs 5.3 %
Right lower 7.5 Lbs 18.0 %
Left lower 7.9 Lbs 19.0 %
Total fat:41.7 Lbs

Body shape judgment

Athlete	Overweight muscle type	Obesity
Low-fat firm type	Standard	Fat beyond standard
Low fat and light weight	Standard light weight	Potentially obese

BMI
Body fat percentage
Body size determination: Overweight muscle type

Obesity Analysis

	Female Male	Low fat	Athlete	Standard	Above Standard	Obesity
Body fat percentage(%)	0 5	10 15	20 25	30 35	40	
				23.8		

	Below Standard	Standard	Above Standard	Obesity
BMI(kg/m²)	10.0 14.2 18.5	21.2 23.9	27.9 41.4 55.0	
		24.3		

WHR

Pear (0.5)	VeryThin (0.6)	Hourglass (0.7)	Banana (0.8)	Apple (0.9)	Comprehensive

0.89 WHR

Historical changes in body composition

	2020/08/12 17:06	2020/09/22 11:08			
Weight (Lbs)	175.4	175.4			
Fat-free mass (Lbs)	133.7	133.7			
Skeletal muscle (Lbs)	74.8	74.8			
Body fat percentage(%)	23.8	23.8			

Health Assessment

81.4/100

Bioelectrical Impedance

	Right-U	Left-U	Trunk	Right-L	Left-L
5kHz	345.0	337.6	23.3	295.9	273.0
50kHz	306.0	300.1	19.0	262.4	243.8
250kHz	270.1	270.4	15.0	255.3	234.4

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BODY COMPOSITION ANALYSIS

PRODUCT SPECIFICATION

Measurement method	Multi-frequency Bioelectrical Impedance Analysis
Electrodes	Eight electrodes
Frequency	Three frequencies
Frequency range	5 kHz , 50 kHz , 250 kHz
Display	1280 x 800 pixels , 10.1 inch Wide color LCD
Capacity	300 kg
Graduation	0.1 kg
Applicable age	18 ~ 85 years old
Input device	Touch screen
Output device	USB x1 RJ45 x1
Transmission device	Wi-Fi x 1 , Bluetooth x 1 (optional)
Dimensions	118(L) x53(W) x 33(H) mm
Weight	About 17 kg
Measuring time	Less than 50 secs
Outputs **Body composition** **result content**	**Body Composition Analysis** ICW , ECW , TBW , Protein , Mineral , BFM , SLM , FFM , Weight **Muscle – Fat Analysis**：Weight , SMM , BFM **Obesity Analysis**：BMI , PBF **Segmental Lean & Fat Analysis** Lean Mass (Right Arm , Left Arm , Trunk , Right Leg , Left Leg) Fat Mass (Right Arm , Left Arm , Trunk , Right Leg , Left Leg) **Body Type Analysis** **Muscle Quality** Muscle quality score **Fitness Parameters** Body Balance Evaluation , Basal Metabolic Rate , Total Energy Expenditure , Phase Angle , Fat-free Mass Index , Skeletal Muscle Index , Impedance **Health Score** **Control Guide** Target Weight , Weight Control , Fat Control , Muscle Control **Body Composition History**：Weight , FFM , SMM , PBF
Electrode Current	< 500 μA
Power supply	Input AC 100~240V , 50/60Hz, 0.8 ~ 1.5 A Output DC 12V, 3A adaptor
Printing device	USB port
Measuring range	100 ~ 950 Ω
Operation environment	0~40°C ,30-75%RH
Storage environment	-20~60°C，25~95%RH
Voice guidance	Voice guidance throughout entire measuring process
Results sheet	A4 or Letter size results sheet

* For purpose of product improvement, specifications are subject to change without prior notice.