

# i20

Complete Solution for  
Essential Features

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BODY COMPOSITION ANALYZER



# Body Composition Analyzer for expert



## Multi-frequency analysis

Provides an accurate analysis of body composition and body water distribution through multi-frequency measurement.

Measures the resistance value of cell membranes through electric current impedance analyzing system.

## Segmental body composition analysis

Tetrapolar 8-point tactile electrodes system. Accurately measures segmental body fat and muscle mass.

## Accurate body composition analysis algorithm

High correlation with 'Gold Standard' devices such as DEXA, CT and Isotope Dilution Analysis system.

Top medical professionals have proven the clinical reliability of i20.

## Convenient Usability

### User-friendly GUI design

On-screen scale imaging system that enables more familiar, traditional analysis of body composition.

### Ergonomic design

Ergonomically designed, rotatable hand electrodes allow the user to take the test with ease.

### Convenient patient data management

Focuses on 'more personalized user management' based on diverse input interface, wireless data communication and DB management on website(TBD).

## Key Features

### Blind mode

Activates 'Blind Mode' to hide weight & fat result on the screen for the privacy of individual users.

### Body Composition Analyzer for essential features

Shows more various analysis parameters than other comparable products.

### Clear visualization of measurement results & analysis

Provides clear visualization of all analysis results, such as segmental analysis & body balance.



# Analysis Results Sheet

## 1 Body Composition Analysis

Analysis results of body composition allow the user to compare the standard range of each parameter. Individualized consultation information makes it possible to track changes in body composition.

## 2 Muscle & Fat Analysis

Helps you see your muscle & fat changes with previously measured data. Helps you see analysis results compared to standard range of muscle & fat mass.

## 3 Segmental Analysis & Body Balance

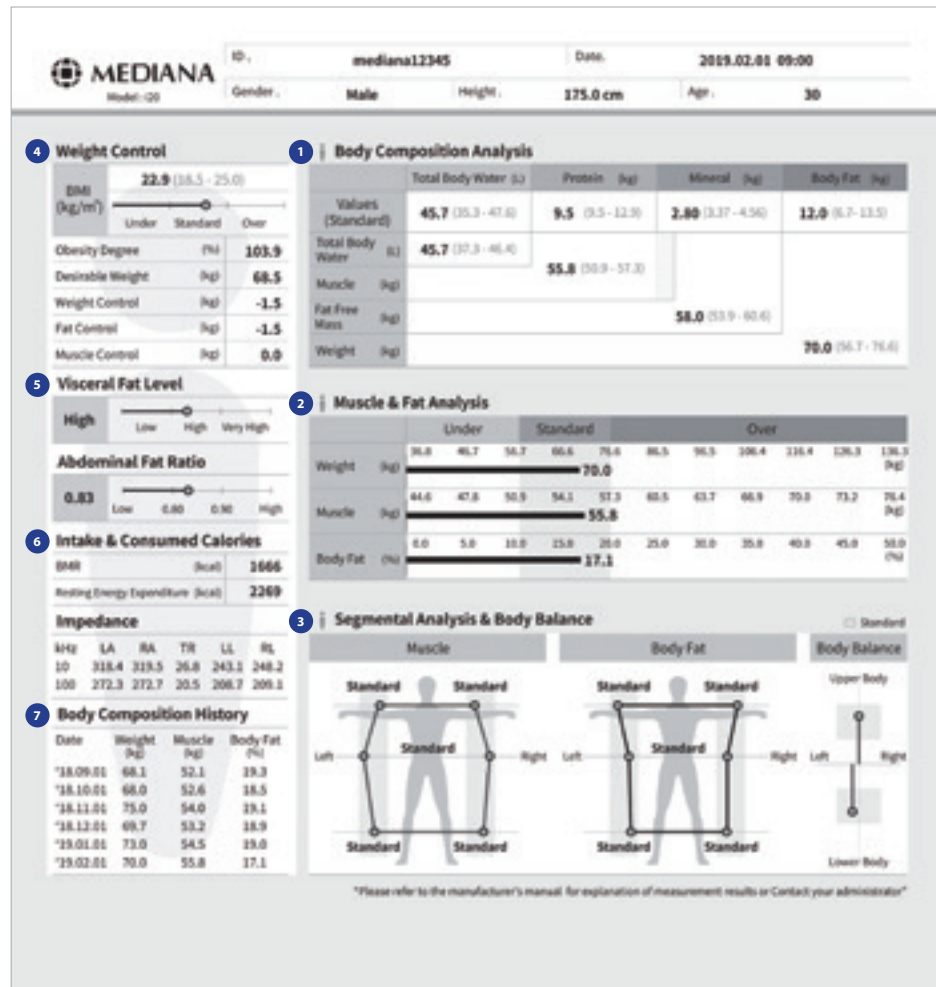
Provides a more localized analysis of segmental muscle, fat mass, and body balance by measuring impedance for each different segment. Visually outlined consultation outputs system is also useful in comparing results.

## 4 Weight Control

Various body composition outputs are given such as Obesity Degree, Desirable Weight and Weight Control, allowing for more personalized test results.

## 5 Abdominal Fat Analysis

Provides a graphically intuitive analysis of Visceral Fat Level (VFL) and Abdominal Fat Ratio (AFR).



## 6 Intake & Consumed Calories

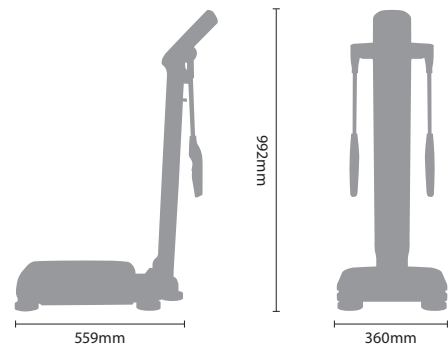
Provides research-level analysis of BMR and Resting Energy Expenditure (REE). Expert i20 operators offer professional nutritional guidance based on parameter results sheet.

## 7 Body Composition Trend

Helps track the history of the body compositional change. Monitors the progress of your body composition improvement.

# Specifications

Item	Contents
Electrode Type	Tetra-polar electrode method using 8 point electrodes
Measurement Method	Segmental measurement using multi-frequency
Communication	RS-232, USB
Power	DC Adaptor (input: 100-240VAC, 50-60Hz, 1.5A(1.5-0.7A) / Output: 12V, 5.0A)
Measurement & Analysis Items	<ul style="list-style-type: none"> <li>• Body Composition Analysis: Total Body Water, Muscle Mass, Fat Mass, Fat Free Mass, Protein, Mineral</li> <li>• Muscle &amp; Fat Analysis: Weight, Muscle, Body Fat(%) Assessment</li> <li>• Segmental Analysis: Segmental Muscle, Fat, and Body Balance Assessment</li> <li>• Weight Control: BMI, Obesity Degree, Desirable Weight, Weight/Fat/Muscle Control</li> <li>• Visceral Fat &amp; Abdominal Fat Ratio Assessment</li> <li>• Intake &amp; Consumed Calories : BMR, Resting Energy Expenditure</li> <li>• Segmental Impedance, Body Composition History(Weight, Muscle, Body Fat)</li> </ul>
Measurement Frequency	10, 100kHz
Measurement Current	200uArms
Measuring range	10 ~ 1000Ω
Measured weight	2.0~250.0 kg (Resolution 50g)
Range of height	60.0~220.0 cm
Input interface	Keypad, Touch Screen
Addition Function	Data Backup and Restore to USB
Supported printer	Laser Printer recommended by MEDIANA
External interface	RS232C(9Pin Serial) 1ea, USB host(type A) 2ea, Mini-USB B(type B) 1ea
Measurement Time	About 25 sec.
Age of Use	3~99 years old
Weight Measurement	2~250 kg (resolution : 50g)
Display	4.3inch(480 x 272), Color Touch LCD
Dimension	360mm(W) x 559mm(D) x 992 mm(H)
Weight	About 17kg
Operating Environment	Temp 10°C~40°C, Humidity 30%~75%, Air pressure 70 ~ 101.3 kpa
Storage Environment	Temp -10°C~60°C, Humidity 10%~80%, Air pressure 50 ~ 101.3 kpa
Supporting Result Sheet	General Result Sheet Only (Children Result Sheet is not supported)



\* Due to continuing product innovation, Specifications may change without prior notice.