

The partner of your choice for well-balanced life

# i25

Smart choice for  
managing obesity and  
a healthy lifestyle



 **MEDIANA**



# Body Composition Analyzer for expert

## Segmental Multi Frequency Measurement : 10, 50, 100kHz

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

Tetra-polar 8 point tactile electrodes system provides accurate segmental (Body Fat and Skeletal Muscle Mass) analysis and Body Balance evaluation through an easy-to-understand chart.

## Inch Perfect and Up to Date Body Composition Analysis Algorithm

Clinical trials of Golden Standards of Body Composition Analysis methods (DEXA, CT, and Isotope Dilution) were conducted in professional institutions to a wide range of demographics ranging from elderly to small children. In addition, optimization algorithm technology was utilized to increase the precision of Body Composition Analysis and its reliability verified through clinical trials.

## 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.

### Smartphone App

By a simple QR scan, results can be viewed via smartphones. Also, using our smartphone app allows the management of cumulative results.

## Key Features

### Blind Mode

Whilst processing Body Composition Analysis, "Blind Mode" can be turned on/off to show or hide the numerical values of Weight and Fat Mass for privacy concerns. The blind mode does not affect the results sheet printed which displays the weight and fat mass values regardless.

### 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.

### PC Software

Body Composition Analysis Result Sheet, Segmental Body Composition, various body composition analysis data, nutritional information, and exercise guidance provided with results in the PC server. Our PC software is compatible with EMR (BMP image), PACS (DICOM, Worklist), and digital height scales.



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## DATA SHEET

Inch Perfect and Up to Date Body  
Composition Analysis Algorithm

Result Sheet: Easy to Understand  
Description

User Friendly Design



- Multi-Ranged Frequencies: 10, 50, 100 kHz
- Segmental Body Composition Analysis
- Can be connected to PC software with mini type B USB cable
- About 30 seconds of measurement time
- Touch 4.3 inch LCD display with key pad
- Weight: About 17.0kg
- Dimension: 360(W) x 559(D) x 992(H)mm
- Compatible with suggested laser-jet printers
- Supports 13 languages: English, Korean, Japanese, Simplified Chinese, Traditional Chinese, Italian, French, Spanish, Russian, Portuguese, German, Arabic, Polish

## Analysis Items

### General Result Sheet

Body Composition Analysis	Total Body Water, Muscle Mass, Fat Mass, Fat Free Mass, Protein, Mineral, Skeletal Muscle
Skeletal Muscle & Body Fat Analysis	Weight, Skeletal Muscle Mass, Body Fat Mass Assessment with previous result
Segmental Analysis	Segmental Muscle, Fat, and Body Balance Assessment
Body Type Analysis	Body Type Table, Body Type Graph Assessment with previous result
Body Composition History	History Graph for Weight, Skeletal Muscle Mass and Body Fat
Weight Control	BMI, Obesity Degree, Desirable Weight, Weight/Fat/Muscle Control
Intake & Consumed Calories	BMR, Total Energy Expenditure, Calorie Consumption, and Expected Fat Burning
Overall Health Indicators	Mediana Score, Segmental Weight and Impedance, Calorie Consumption Table per Exercise, Visceral Fat & Abdominal Fat Ratio Assessment

## Specifications

### Electrode Type

Tetra-polar electrode method using 8 point electrodes

### Measurement Method

Segmental measurement using Multi frequency

### Power

DC Adaptor (input: 100-240VAC, 50-60Hz, 1.5A(1.5-0.7A), Output: 12V, 5.0A)

### Measurement Frequency

10, 50, 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

### Additional Function

Data Backup and Restore to USB

### Supported Printer

Laser Printer that Mediana recommended

### External Interface

RS232C(9Pin Serial) 1ea, USB(type A) 2ea, Mini-USB(type B) 1ea

### Measurement Time

About 30 sec.

### Age of Use

3~99 years old

**Display**

4.3inch(480 x 272), Color Touch LCD

**Dimension**

360 mm(W) x 559 mm(D) x 992 mm(H)

**Weight**

About 17.0 kg

**Operating Environment**

Temp 10~40°C, Humidity 30~75%,

Air pressure 70~101.3 kPa

**Storage Environment**

Temp -10~60°C, Humidity 10~80%,

Air pressure 50~101.3 kPa

**Supported Result Sheet**

General Result (Children Result Sheet is not supported)

**Supported Languages**

English, Korean, Japanese, Simplified Chinese,

Traditional Chinese, Italian, French, Spanish, Russian,

Portuguese, German, Arabic, Polish

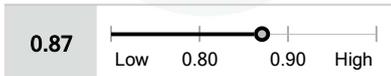
### Weight Control

BMI (kg/m <sup>2</sup> )	<b>23.9</b> (18.5-22.9)
SMI (6.99-8.78kg/m <sup>2</sup> )	<b>7.47</b>
Obesity Degree (%)	<b>109.0</b>
Desirable Weight (kg)	<b>59.3</b>
Weight Control (kg)	<b>-5.9</b>
Body Fat Control (kg)	<b>-8.8</b>
Muscle(LBM) Control (kg)	<b>+2.9 (+3.4)</b>

### Visceral Fat Level



### Abdominal Fat Ratio



### Mediana Score

**58**

### Segmental Mass (kg)

LA	RA	TR	LL	RL
3.8	3.8	31.0	10.2	10.3

### Intake & Consumed Calories

BMR (kcal)	<b>1396</b>
Total Energy Expenditure (kcal)	<b>2285</b>
*Calorie Consumption (kcal/h)	<b>456</b>
*Expected Fat Burning (kg)	<b>-1.0</b>

\* Based on Jogging (1hour/day, 4weeks)

### Calorie Consumption

	kcal / 30min *By Current Weight	
Gate ball	<b>107</b>	Swimming <b>228</b>
Walking	<b>114</b>	Aerobics <b>237</b>
Yoga	<b>130</b>	Tennis <b>237</b>
Table Tennis	<b>130</b>	Bicycle <b>244</b>
Golf	<b>156</b>	Football <b>260</b>
Badminton	<b>179</b>	Climb <b>260</b>
Basketball	<b>211</b>	Jump rope <b>286</b>
Jogging	<b>228</b>	Boxing <b>335</b>

### Impedance

kHz	LA	RA	TR	LL	RL
10	311.7	315.6	30.1	317.5	325.8
50	277.5	280.2	27.0	278.5	283.9
100	262.5	264.1	24.8	260.3	264.7

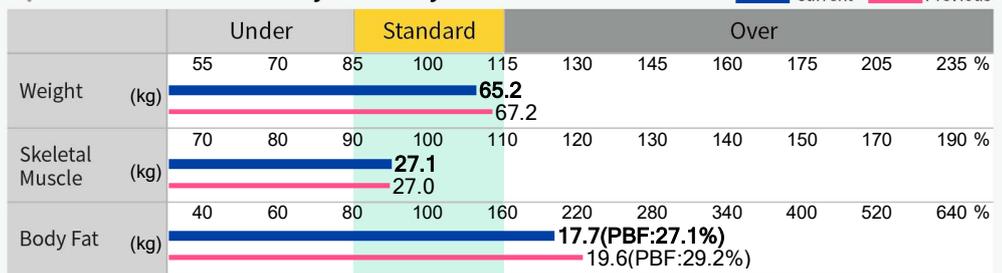
### Blood Pressure

<b>Systolic</b> (mmHg)	<b>0</b>
<b>Diastolic</b> (mmHg)	<b>0</b>
<b>Mean BP</b> (mmHg)	<b>0</b>
<b>Pulse rate</b> (bpm)	<b>0</b>

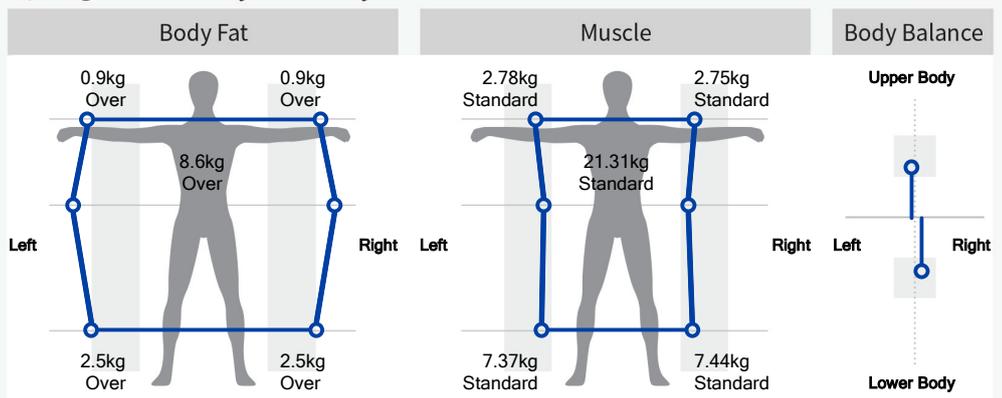
### Body Composition Analysis

	Total Body Water (L)	Protein (kg)	Mineral (kg)	Body Fat (kg)
Values (Standard)	<b>34.9</b> /Weight (53.5%) (33.5-40.9)	<b>9.6</b> (9.4-10.6)	<b>3.01</b> (3.35-3.77)	<b>17.7</b> (7.1-14.2)
Total Body Water (L)	<b>34.9</b> /FFM (73.4%) (33.5-40.9)	<b>45.0</b> (43.1-52.7)		
Muscle Mass (kg)	<b>47.5</b> (47.9-53.9)			
Fat Free Mass(LBM) (kg)	<b>*LBM : Lean Body Mass</b>			
Weight (kg)				<b>65.2</b> (50.8-68.8)

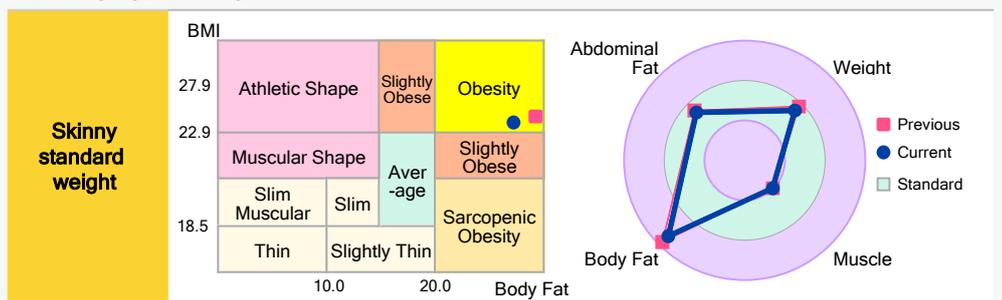
### Skeletal Muscle & Body Fat Analysis



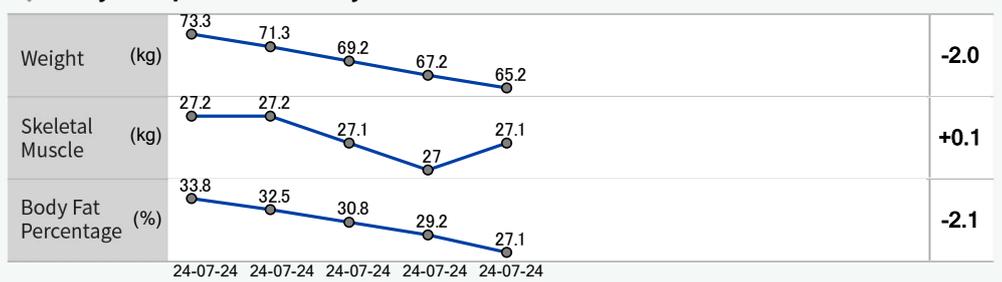
### Segmental Analysis & Body Balance



### Body Type Analysis



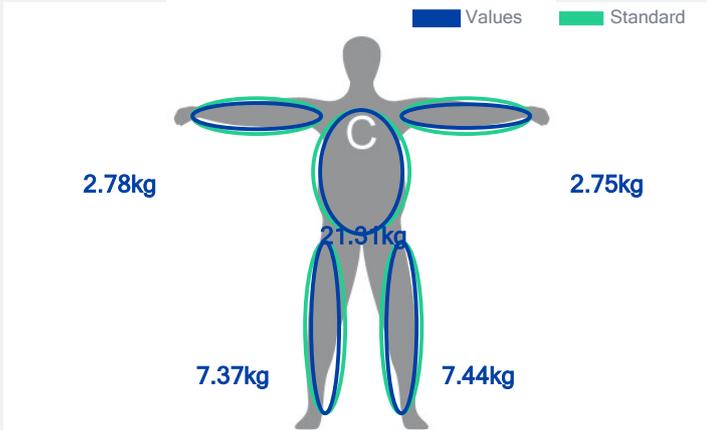
### Body Composition History



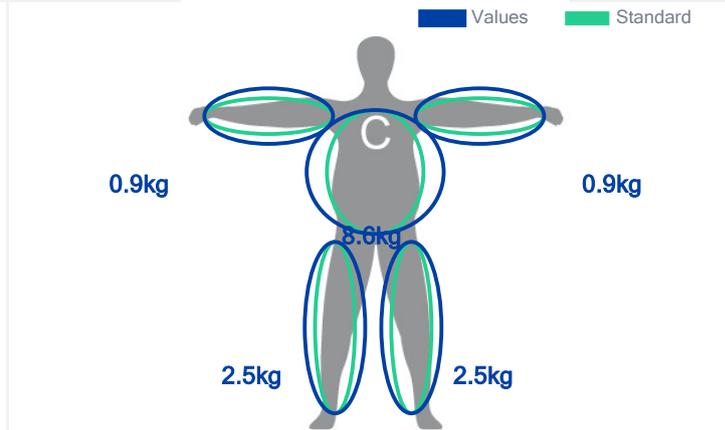
# Segmental Analysis & Body Balance

ID Multidata\_i25  
Name Arun

## Muscle Mass



## Fat Mass



### Balance

Upper Balance	50 : 50	Lower Balance	50 : 50
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### Balance

Upper Balance	50 : 50	Lower Balance	50 : 50
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### Segmental Muscle Mass

	Left	Right
Arm	2.78kg	2.75kg
Trunk	21.31kg	
Leg	7.37kg	7.44kg

### Segmental Fat Mass

	Left	Right
Arm	0.9kg	0.9kg
Trunk	8.6kg	
Leg	2.5kg	2.5kg

### Evolution

Segment	24-07-24	24-07-24	24-07-24	24-07-24	24-07-24
Left Arm	2.76	2.77	2.77	2.78	2.78
Right Arm	2.67	2.67	2.68	2.68	2.75
Left Leg	7.48	7.45	7.43	7.38	7.37
Right Leg	7.55	7.52	7.49	7.44	7.44
Trunk	21.64	21.55	21.46	21.31	21.31

### Evolution

Segment	24-07-24	24-07-24	24-07-24	24-07-24	24-07-24
Left Arm	1.5	1.3	1.2	1	0.9
Right Arm	1.4	1.3	1.1	1	0.9
Left Leg	3.3	3.1	2.9	2.6	2.5
Right Leg	3.4	3.2	3	2.7	2.5
Trunk	12.9	11.8	10.7	9.7	8.6

### Weight(kg)



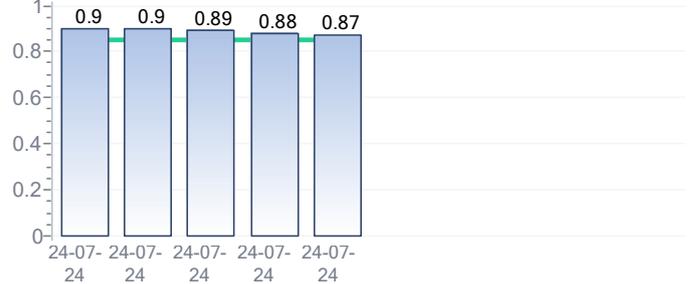
### Skeletal Muscle(kg)



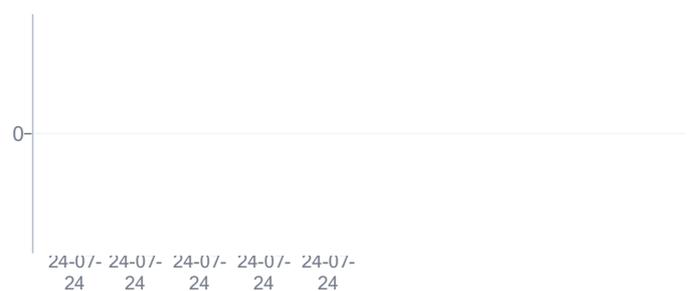
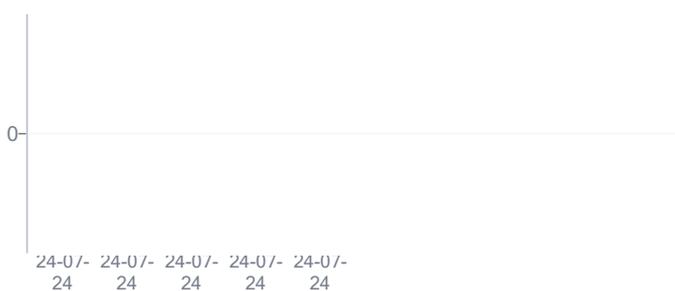
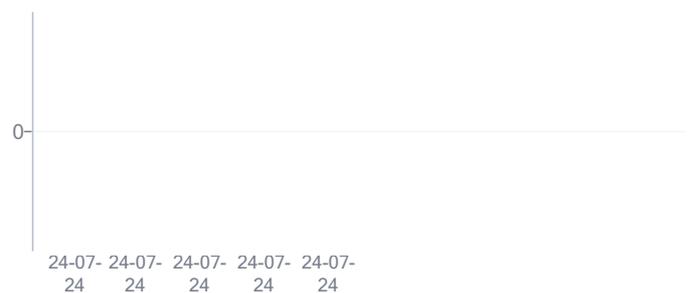
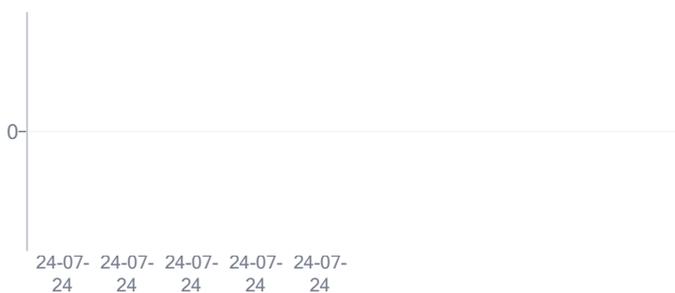
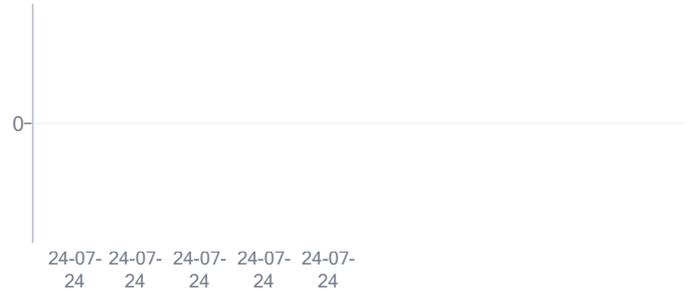
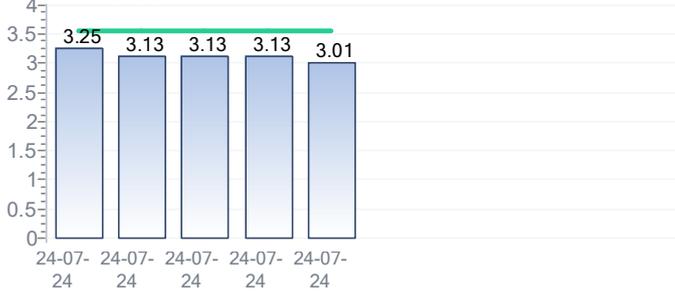
### Body Fat(%)



### Abdominal Fat



### Mineral(kg)



**i Series** are the sets of body composition analyzers of Mediana's own.

It analyzes your body into 4 major components: fat, protein, minerals, and body water.

It shows not only how much you weigh, but what you are made of, and enables you to keep track of changes in fat mass, muscle mass, and body fat percentage, to have a brief outlook of your health from the inside out.

i Series is for whoever try to achieve their fitness or health goal.



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**i20**



**i25**



**i30**



**i35**



**i50**



**i55**

