

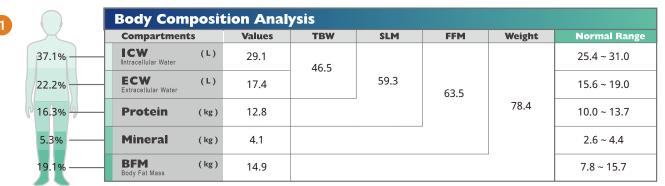




\* Cruz-Jentoft AJ et al. Sarcopenia: European consensus on definition and diagnosis. Age and Ageing 2010; 39:412-423

# narder

Name	ID	Ethnicity	Height	Gender	Age	Measured Time
Tim	7347204161		182.5 cm	Male	33	2021.03.15 03:53



#### Under Normal Over 85 100 115 143 200 % **Weight** (kg) Total Body Weight 78.4 90 110 180 % SMM (kg) 35.3 Skeletal Muscle Mass

100 160 240

14.9

320

400 %

65

**Body Balance Evaluation** Upper Lower Upper-Lower

> $\sqrt{}$ ☑ Balanced  $\checkmark$ ☐ Slightly Unbalanced ☐ Extremely Unbalanced

Fitness Parameters Basal Metabolic Rate 1740 kcal Total Energy Expenditure 2472 kcal/d Phase Angle (50KHz) 5.7 ° Fat-free Mass Index 19.1 kg/m<sup>2</sup> SMI 10.6 kg/m<sup>2</sup> **ASMI** 8.1 kg/m<sup>2</sup>

Health Score 74.9 /100 Points

10 Control Guide

Target Weight 77.2 kg Weight Control kg -1.2 Fat Control -3.2 kg Muscle Control +2.0 kg

**Impedance** 

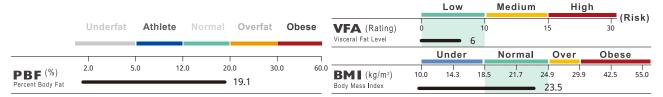
RA LA TR RL LL 345.0 336.4 26.7 264.2 260.0 50kHz 305.9 299.4 22.1 229.8 227.6 250kHz 279.8 275.5 18.9 208.7 206.8

#### **Obesity Analysis**

BFM (kg)

Body Fat Mass

**Muscle - Fat Analysis** 



# Segmental Lean, Fat and Body Type Analysis



#### **Muscle Quality**

#### **Body Composition History**

# Right Hand 395 ~ 483 N 40 ~ 49 kgf

Hand
366 ~ 448 N

Left

37 ~ 46 kgf

Muscle Quality Score 82 /100 Points

	2021.01.25 10:27	2021.02.04 08:47	2021.02.11 14:15	2021.02.18 10:49	2021.02.25 10:57	2021.03.02 15:26	2021.03.09 09:40	2021.03.15 11:53
Weight (kg)	78.1	78.0	77.8	77.8	78.5	78.0	77.9	78.4
FFM (kg)	65.3	64.2	63.9	64.0	64.0	63.9	63.8	63.5
SMM(kg)	33.7	34.2	34.7	34.7	35.0	35.0	34.9	35.3
<b>PBF</b> (%)	16.7	17.5	17.0	17.0	17.5	17.5	17.2	19.1
					10072 / 0000	0 / 0187-0000	CD-IN	I-00129_V.005

# Introduction to the Body Composition Result Sheet

### 1 Body Composition Analysis

Reliable, non-invasive Bioelectrical Impedance Analysis makes it easier to conduct regular monitoring of Body Composition. The calculated estimated weights of the body's compositional elements can be compared with standard results for context.

### 2 Muscle-Fat Analysis

Measurement of weight is important, but incomplete without further analyzing the amount of muscle and fat in a subject. Understanding skeletal muscle and body fat proportions can help professional trainers formulate muscle and fat control recommendations.

### **3** Obesity Analysis

The MA601 categorizes body fat ranges into those commonly seen for Underfat, Athlete, Normal, Overfat, and Obese populations. With more precise ranges, fat control goals and progress can be tracked more accurately. Visceral Fat Level can also be used as an indicator for hidden obesity.

#### 4 Segmental Analysis & Body Balance Evaluation

Measure muscle and fat more precisely with segmental analysis of the trunk, upper body, and lower body. Identify imbalances and track changes to better observe the effects of training.

# 5 Body Type Analysis

The body type analysis chart combines BMI and Percent Body Fat to determine the subject's body type. Body composition changes needed to achieve ideal body type can be clearly determined using this clear and simple chart.

# 6 Muscle Quality

Muscle Quality and estimation of grip strength provides a valuable muscle quality indicator that can point to changes more quickly and noticeably than a simple measurement and tracking of muscle mass.

### 7 Body Composition History

By selecting the same user ID prior to measurement, changes in body composition can be tracked automatically (Weight, Fat-Free Mass, Skeletal Muscle Mass, and Percent Body Fat)

#### **8** Fitness Parameters

The MA601 provides multiple body composition output parameters of particular relevance for fitness, and includes various indexes used as early warning signs for malnutrition and sarcopenia. Make use of Phase Angle for evaluation of cellular health, and analyze health status in more detail.

### 9 Health Score

The Result Sheet provides normal ranges for a variety of output, as well as an overall health score that takes into account a combination of results.

### 10 Control Guide

The Control Guide calculates a recommended amount of muscle and fat control in order to reach an ideal, healthy body type.







#### **Get Precise and Train Smart**

Clients need to know if their training habits are creating imbalances, which reduce efficiency and increase risk of injury long-term. Keep track of muscle and fat in different body segments to determine if clients are properly developed and balanced.

#### Let coaches do what they do best

By measuring potential clients and having a conversation about the result sheet, coaches can easily and credibly discuss how they can help clients achieve their goals, through individualized fitness programs.

#### **Track Progress and Improve Retention**

Sticking to an exercise program can be difficult, and it's all too easy to quit. With precision measurements, you can show clients how they' ve progressed, and demonstrate how your program is effectively helping them build muscle and burn fat!

#### It's not just Quantity, it's Quality

Working out shouldn't be just about looking good, it's about results. Muscle mass matters, but muscle quality is the true indicator of athletic performance. Evaluate if your clients are gaining strength, and be the first to notice if training needs to be adjusted.

# MA601 Body Composition Analyzer

Key Specifications	s
Bioelectrical Impedance Analysis (BIA)	I 5 Impedance Measurements: 3 frequencies (5kHz, 50kHz, 250kHz) for 5 segments (Right Arm, Left Arm, Trunk, Right Leg, Left Leg)
Electrodes	8-point Tactile Electrode Design
Display	800 x 480 pixels, 7-inch color touchscreen LCD
Capacity / Graduation	Max Capacity 300kg (0.1kg graduation)
Applicable Age	6-85 years old
Output / Transmission	USB 2.0 x2, Bluetooth (optional), Wi-Fi, RJ45 Ethernet
Data Storage	50,000 Measurements (data transfer available via USB, Bluetooth, or Wi-Fi)
Measurement Duration	Less than 45 seconds
Device Dimensions	580 (L) x 450 (W) x 1025 (H): mm 22.8 (L) x 17.7 (W) x 40.4 (H): inches
Device Weight	About 12kg (27lbs)
Device Color	Dark, Light

Result Sheet Output		
Body Composition Analysis	Intracellular Water, Extracellular Water, Total Body Water, Protein, Mineral, Body Fat Mass, Soft Lean Mass, Fat-Free Mass, Weight	
Muscle-Weight Analysis	Weight, Skeletal Muscle Mass, Body Fat Mass	
Obesity Analysis	Percent Body Fat, Visceral Fat Level, Body Mass Index	
Segmental 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	Utilizes BMI and Percent Body Fat	
Muscle Quality	Estimated grip strength (N, kg), Muscle Quality Score	
Body Composition History	Weight, Fat-Free Mass, Skeletal Muscle Mass, Percent Body Fat (Last 8 results)	
Body Balance Evaluation	Analysis of balance between Upper, Lower, and Upper-Lower body segments.	
Fitness Parameters	Basal Metabolic Rate, Total Energy Expenditure, Phase Angle (50kHz), Fat-Free Mass Index, Skeletal Muscle Index, Appendicular Skeletal Muscle Index	
Health Score	Combined evaluation of body composition results	
Control Guide	Target Weight, Weight Control, Fat control, Muscle Control	
Impedance	5kHz, 50kHz, 250 kHz	

