i Series
Body Composition Analyzer

Well-Being I Well-Balanced I Wellness

◉ **MEDIANA**

Multi-Frequency Analysis Technology

i30 provides accurate analysis of body composition through multi-frequency measurement.
The measurement is made through bioelectrical impedance analysis (BIA),
assessing the electrical resistance of cell membranes

Segmental body composition analysis

Tetra-polar 8 point tactile electrodes system gives accurate measure
of segmental body fat and muscle mass.

Advanced body composition analysis algorithm with high accuracy

I30 uses the optimal algorithm developed by utilizing various
body composition measurement methods such as DEXA, CT, and isotope dilution.
It has a very high correlation coefficient with DEXA equipment,
which is considered the Gold Standard in the body composition analysis method.

Also, the reliability of the algorithm has been proven through clinical trials conducted
by specialized institutions for a wide range of ages
from 5 years old to 78 years old. ($R2=0.984$)

Application Area

Key Features

Blind Mode
User can hide fat and weight information from the display
by simply pressing a "Blind" button on the key pad.
It can be turned on/off instantly during measurement
and will be written at the result paper all the time

Ergonomic Design for Comfortable Measuring Posture
The wide rotating radius of the handle and the hand electrode,
which can be rotated to suit user's posture, helps to test comfortably and accurately.

Easy operation via touch screen
Convenient operation via keypad and touch screen control

Simple Interface
Built-in display gives the analysis of the body composition more clearly and thoroughly

Convenient Patient Data Management
Personalized information management is possible using the dedicated PC software

Age-specific Analysis
Provide adult and children analysis result sheet

Compact Foldable Design
Lightweight and foldable design for easy storage.

Blind Mode	Muscle & Fat Analysis	MEDIANA Score	Body Type Table	Body Type Graph	History

i30

Professional Body Composition Analyzer

Hardware Specification

Measurement Frequency : 5, 50, 100kHz
Power : Input - AC 100~240V, 50~60Hz, 1.5A / Output – DC 12V, 5A
Input interface : Keypad, Touch screen, Barcode reader (Optional)
External interface : RS232 (9pin serial cable) 1EA, USB host 2EA, Mini-USB B 1EA, Bluetooth (Optional), Wi-Fi (Optional)
**Display** : 7 inch (600 x 1024), Color Touch LCD
Dimension & Weight : 360mm(W) x 559mm(D) x 1077mm(H), Appx. 17.5kg
Measurement Time : About 30 sec.
Operating Environment : Temp. 10°C~40°C, Humidity 30%~75%, Air pressure 70~101.3kh
Storage Environment : Temp. -10°C~60°C, Humidity 10%~80%, Air pressure 50~101.3kh
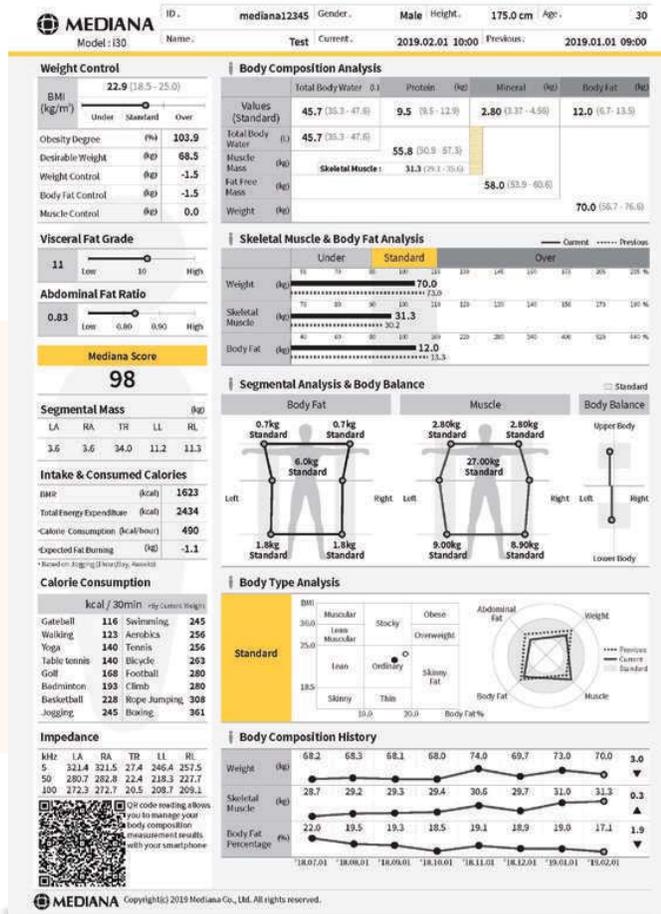
Result Sheet
General

Children Result Sheet is supported as an default option.

Personal Information
ID, Gender, Height, Age, Measurement date and time (Previous/Current)

Segmental Mass
Weight of each segment

Muscle & Body Fat Analysis
Weight, Muscle Mass, Body Fat Mass (Previous/Current)

Weight Control Guide
BMI, Obesity degree, Desirable Weight, Weight Control, Body Fat Control, Muscle Control

Intake & Consumed Calories
BMR, Total Energy Expenditure, Calorie Consumption, Expected Fat Burning, Personal Calorie Consumption per Exercise

Segmental Analysis & Body Balance
Segmental Muscle Assessment, Segmental Body Fat Assessment, Body Balance Assessment (Muscle Only)

Visceral Fat Analysis
Visceral Fat Grade, Abdominal Fat Ratio

Impedance
Segmental Impedance Values

Body Type Analysis
Body Type Table, Body Type Graph

MEDIANA Score
Health score based on own algorithm

Body Composition Analysis
Total Body Water, Protein, Mineral, Body Fat, Muscle Mass, Fat Free Mass, Weight

Body Composition History
Previous measurement history up to 8 measurements

QR-code
Manage your body composition measurement results with your smartphone
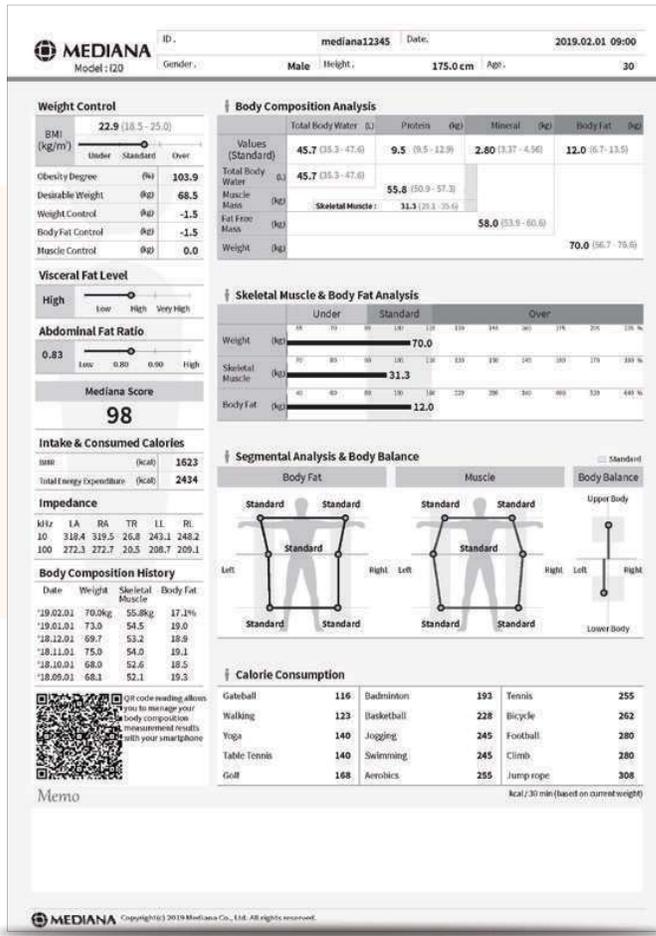
Result Sheet
General

Personal Information
ID, Gender, Height, Age, Measurement date and time

Weight Control Guide
BMI, Obesity degree, Desirable Weight, Weight Control, Body Fat Control, Muscle Control

Impedance
Segmental Impedance Values

QR-code
Manage your body composition measurement results with your smartphone

Body Composition History
Previous measurement history up to 6 measurements

Body Composition Analysis
Total Body Water, Protein, Mineral, Body Fat, Muscle Mass, Fat Free Mass, Weight

Intake & Consumed Calories
BMR, Total Energy Expenditure

Muscle & Body Fat Analysis
Weight, Muscle Mass, Body Fat Mass (Previous/Current)

Segmental Analysis & Body Balance
Segmental Muscle Assessment, Segmental Body Fat Assessment, Body Balance Assessment (Muscle Only)

Visceral Fat Analysis
Visceral Fat Level, Abdominal Fat Ratio