

  
**ACCUNIQ**  
**BC300**



**SENSATIONAL DESIGN**

**RELIABILITY**

**CONVENIENCE**



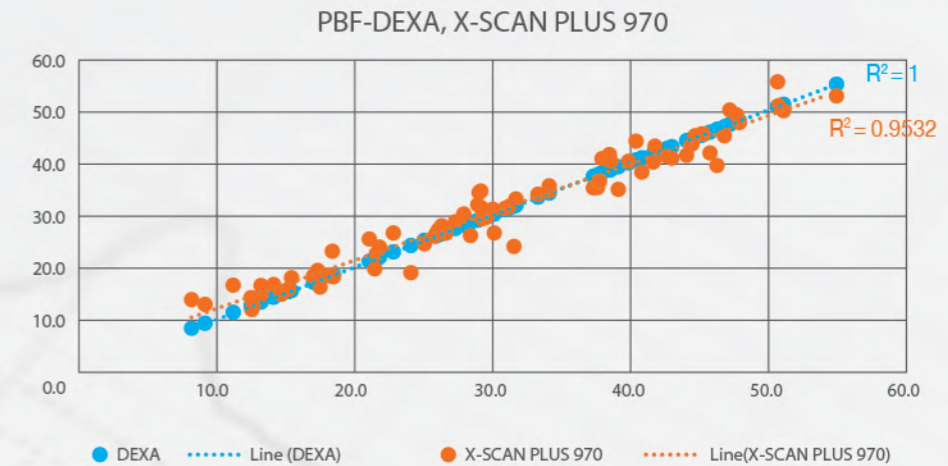


ACCUNIQ medical devices have been used globally to measure and analyze overall health results with our healthcare and fitness professionals in mind where accuracy is of the utmost importance. They are currently used globally in hospitals, medical facilities, doctor's offices, weight loss centers, Fitness Centers, nursing homes, public health facilities, and retail locations.



## + High Consistency with DEXA

The methods of analyzing your body composition include computed tomography(CT), magnetic resonance imaging (MRI), and underwater weighing. Dual-energy X-ray absorptiometry(DEXA) is currently considered the gold standard since it accurately analyzes your fat, muscles, and bones and does not involve any radiation exposure. ACCUNIQ conducted clinical tests with IHT, a professional clinical organization based in Texas, USA, to verify our product's precision with DEXA. The result shows that our analysis is more accurate than our competitors.



※ Determination of coefficient(R2) of DEXA is 1, and the accuracy of ACCUNIQ is higher if R2 value is close to 1.  
 ※ The accuracy of X-SCAN PLUS 970 is proved through clinical study with DEXA at IHT center in USA, and the accuracy of other ACCUNIQ brands are guaranteed by high correlation each other.

DEXA-ACCUNIQ	Paired T-test Analysis of Body Composition								
	Percent Body Fat(%)			Body Fat Mass(kg)			Lean Body Mass(kg)		
	Mean±SD	p-value	p-value explanation	Mean±SD	p-value	p-value explanation	Mean±SD	p-value	p-value explanation
	-0.4±0.7	0.17	DEXA PBF = ACCUNIQ PBF	-0.4±0.2	0.06	DEXA PBF = ACCUNIQ PBF	0±0.3	0.99	DEXA PBF = ACCUNIQ PBF

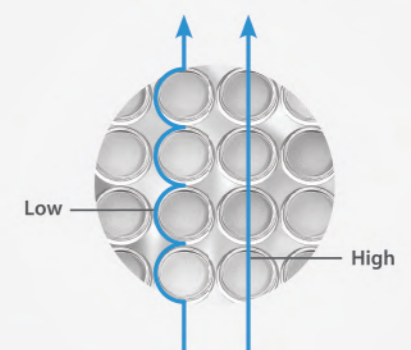
Coefficient of Determination between Our Products (X-SCAN PLUS 970 and ACCUNIQ BCA)	LBM R²		
	BC 720	BC 510	BC 360
	0.9967	0.9949	0.9962

## + Eight-Point Touch Electrodes

ACCUNIQ uses the 8-point touch electrodes method, which is highly accurate despite its complexity. Eight electrodes may be placed on the hands and feet or wrists and ankles to analyze body composition stably.

## + Multi-Frequency Analysis

ACCUNIQ uses 6 frequencies between 1 kHz and 1000kHz to analyze your intracellular water, extracellular water, and total body water accurately. A frequency lower than 100kHz is used to analyze extracellular water since it flows along the cell membrane, whereas a frequency above 100kHz is used to analyze total body water as it flows through the cell membrane.



# ACCUNIQ BC300

The BC300 is a multi-frequency, whole body and segmental Body Composition Analyzer that utilizes innovative BIA technology to ensure accurate and precise results.

This cutting edge technology utilizes harmless, low-level frequencies to offer quick and easy total body composition assessments through the LCD touch screen, printouts and client tracking software.

- Monographic LCD Touch Screen
- 3 Available Frequencies: 5, 50, 250 KHz
- Built in Thermal printer
- User Configurable Modes - Adult, Athlete, Wrestler and Goal Setter
- Client Tracking Software Provided (ACCUNIQ MANAGER)
- USB and RS232 ports for computer or printer interface



## Type A | Fabric Bag

Dimensions  
approx. 815 x 215 x 410 mm

Weight approx. 1kg



## Type B | Plastic Bag

Dimensions  
approx. 866 x 295 x 567 mm

Weight approx. 6kg



## + Diverse Range of Options

ACCUNIQ body composition analyzers offer multiple options to meet multiple end-user requirements.



### Ultrasonic Height Meter

This option accurately and quickly measures your height automatically with the distance analysis method based on the AI and ultrasonic sensor.



### Product Bag

Provided in 2 types, fabric and plastic, the bag may be used to carry the product with ease. The plastic bag has straps and wheels for easy and safe transport.



### Sphygmomanometer Cart

If you need a sphygmomanometer cart, please contact your local dealer.



### Thermal Printer

Use the thermal printer to quickly and easily print the analysis.



### Fully Automatic Sphygmomanometer

Connect our fully automatic sphygmomanometer for hospitals to control your blood pressure in connection with your body fat, which can help you manage your body weight more efficiently.



### A4 Result Sheet

The output results are displayed systematically and clearly.



### USB Memory

Use the USB memory to save the analysis data and view it on your PC.



# Various Results and Descriptions

**ACCUNIQ**

BC300

ID / NAME : SELVAS HEALTHCARE / Diane

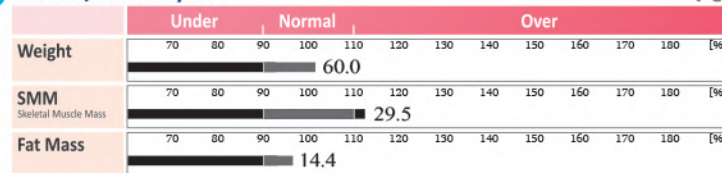
Height : 173.0 cm Age : 26 years Gender: Female Test Date/Time : 2016-01-22 14:00



## 1 Body Composition Analysis

	values	Body Water	Soft Lean Mass	Fat-Free Mass	Weight
Body Water (L)	32.4 (26.3 ~ 32.1)	32.4	42.1 (33.8 ~ 41.7)	45.6 (35.8 ~ 43.7)	60.0 (56.6 ~ 69.2)
Protein (kg)	9.7 ( 9.2 ~ 10.5)				
Minerals (kg)	3.5 ( 3.6 ~ 3.9 )				
Body Fat (kg)	14.4 (12.6 ~ 18.9)				

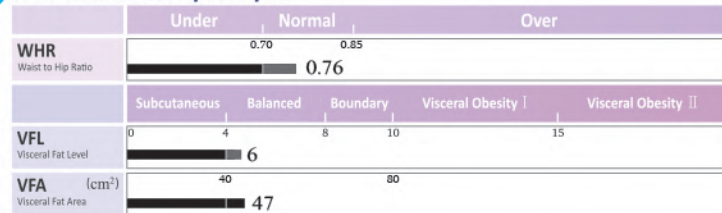
## 2 Muscle/Fat Analysis



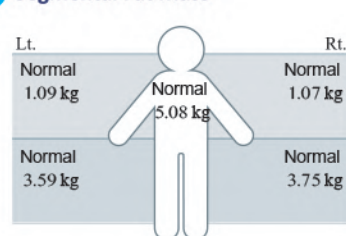
## 3 Obesity Analysis



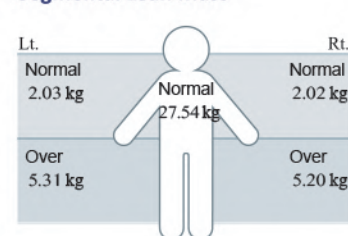
## 4 Abdominal Obesity Analysis



## 5 Segmental Fat Mass



## Segmental Lean Mass



## 6 Body Composition Change

	Test date	Weight	Fat Mass	Muscle Mass
Previous	2016.08.01	61.0 kg	14.8 kg	42.3 kg
Present	2016.09.21	60.0 kg	14.4 kg	42.1 kg

## 7 Comprehensive Evaluation

Category	Value	Unit
Body Type	Standard	
Biological Age	26	years
Basal Metabolic Rate(BMR)	1176	kcal
Total Daily Energy Expenditure	1811	kcal
Body Cell Mass	40.4	kg
Total Score	80	Points

## 8 Control Guide

Category	Value	Unit
Target Weight	62.9	kg
Weight Control	-2.9	kg
Muscle Control	+4.4	kg
Fat Control	-1.35	kg

## 9 Obesity Assessment

BMI	<input type="checkbox"/> underweight <input checked="" type="checkbox"/> normal <input type="checkbox"/> overweight <input type="checkbox"/> obese
PBF	<input type="checkbox"/> low-fat <input checked="" type="checkbox"/> normal <input type="checkbox"/> over-fat <input type="checkbox"/> obese
Obesity Degree	-4.6 ( -10.0 ~ +10.0 ) %
Abdominal Circumference	74.0 ( less than 80 cm ) cm

## 10 Impedance ( 320 )

Freq	5K	50K	250K
RA.Imp.	336	314	262
LA.Imp.	323	308	263
Trunk	67	42	67
RL.Imp.	243	229	183
LL.Imp.	256	235	182

## 11 Blood Pressure Analysis

Systolic Lt 125 mmHg / Rt 111 mmHg  
 Diastolic Lt 65 mmHg / Rt 69 mmHg  
 Pulse 76 bpm  
 Blood pressure difference between right arm and left arm  
 Systolic 14mmHg, Diastolic 04mmHg



For history management, please upload this results at the website using QR code scanning.

## 1 Body Composition Analysis

This is a measurement of analysis results of body components (e.g., body water, proteins, minerals and body fat) relative to normal ranges.

## 2 Muscle/Fat Analysis

This graph of the Skeletal Muscle Mass(SMM) and fat mass illustrates the proportion of skeletal muscle and body fat that comprise the total body weight.

## 3 Obesity Analysis

This graph of percentage of body fat(PBF) and body mass index (BMI), of which the latter is critical in assessing the prevalence of obesity, illustrates clinical data needed for obesity analysis.

## 4 Abdominal Obesity Analysis

Fat in the body is divided into subcutaneous fat and visceral fat. Visceral fat is closely connected with adult diseases, and measured based on several factors.

## 5 Segmental Fat Mass/Segmental Lean Mass

This item assesses the muscle mass of 5 body parts (left arm, right arm, left leg, right leg, and trunk) in two graphs.

## Result Sheet for Infants (Option)

**ACCUNIQ For Child and Youth**  
 ID / NAME : SELVAS HEALTHCARE / Diane  
 Height : 155.0 cm Age : 16 years Gender: Female Test Date/Time : 2016-09-21 11:43

**Body Composition Analysis**  
 Body Water: 28.8 (normal) 28.8  
 Protein: 8.0 (normal) 8.0  
 Minerals: 3.3 (normal) 3.3  
 Body Fat: 16.4 (normal) 16.4

**Comprehensive Evaluation**  
 Body Type: You have much body fat  
 Basal Metabolic Rate(BMR): 674 kcal  
 Total Daily Energy Expenditure: 1037 kcal  
 Body Cell Mass: 9.3 kg  
 Obesity Degree: +20.6 ( -10.0 ~ +10.0 ) %

**Muscle/Fat Analysis**  
 Weight: 56.5  
 SMM: 22.1  
 Fat Mass: 16.4

**Obesity Analysis**  
 BMI: 23.5  
 PBF: 29.1  
 WHR: 0.80

**Height/Weight Assessment**  
 Height: 155.0 cm  
 Weight: 56.5 kg

**Control Guide**  
 Target Weight: 51.2 kg  
 Weight Control: -5.3 kg  
 Muscle Control: +0.0 kg  
 Fat Control: -5.3 kg

**Segmental Fat Mass**  
 Lt. Over 1.50%  
 Rt. Over 1.50%  
 Over 2.89%  
 Over 2.97%

**Segmental Lean Mass**  
 Lt. Normal 2.50%  
 Rt. Normal 2.50%  
 Normal 6.74%  
 Normal 6.74%

**Impedance (532)**  
 Freq | IK | 5K | 50K | 250K | 500K | 1M  
 RA.Imp | 329 | 291 | 276 | 229 | 219 | 193  
 LA.Imp | 329 | 291 | 276 | 225 | 207 | 182  
 Trunk | 71 | 63 | 60 | 49 | 48 | 40  
 RL.Imp | 231 | 209 | 196 | 165 | 157 | 139  
 LL.Imp | 231 | 206 | 196 | 161 | 148 | 132

100 children who have a same age stand in order of height and weight. Your height ranking is 30, your weight ranking is 66. (50% is standard height and Standard weight)

[MEMO]

## 6 Body Composition Change

This graph shows your weight, skeletal muscle mass, and body fat mass tracked over a period of time. It is important that you constantly pay attention to your health care instead of attempting to control your weight over a short period of time.

## 7 Comprehensive Evaluation

This item shows your body type, biological age, basal metabolic rate(BMR), total daily energy expenditure (TEE), and body cell mass.

## 8 Control Guide

This item presents your recommended target weight, weight, and muscle and fat mass control.

## 9 Obesity Assessment

This item assesses your BMI, PBF and indicates your obesity degree and abdominal circumference.

## 10 Impedance

Impedance using frequency applied to a body part. Impedance is a resistance value when electric current is passed through the body. Each subject has a unique impedance.

## 11 Blood Pressure Analysis

This item indicates your blood pressure data when the product is connected to the sphygmoma nometer provided by ACCUNIQ. This is especially useful because it assesses your obesity level and blood pressure at the same time.



## ACCUNIQ BC300 Specifications

<b>Model</b>	ACCUNIQ BC300
<b>Measuring Method</b>	Tetra-polar electrode method using 8 touch electrodes
<b>Frequency Range</b>	5, 50, 250kHz
<b>Measuring Site</b>	Whole body and segmental measurement (arms, legs and trunk)
<b>Results Sheet Data</b>	<p><b>Body Composition Results</b>            Weight, Standard weight, Lean Body Mass, Mass of Body Fat, Soft Lean Mass, Protein, Mineral, Total Body Water, Percent Body Fat, BMI, Age Matched of Body, Basal Metabolic Rate, Total Energy Expenditure, Body type, 5 body parts (right arm, right leg, left arm, left leg, and trunk) Soft Lean Mass/Mass of Body Fat and assessment, Body Composition Change, Control guide (Weight/Mass of Body Fat/Soft Lean Mass Control, Goal to control, Control/week, Duration of control, Diet prescription calorie, Exercise prescription calorie), Visceral Fat Area, Visceral Fat Level, Abdominal Circumference, WHR, Total Score, Impedance, Blood pressure (when connected with blood pressure monitor of our company), QR code</p> <p><b>Results Sheet for Infants (Option)</b>            Weight, Standard Weight, Lean Body Mass, Mass of Body Fat, Subcutaneous Fat Mass, Skeletal Muscle Mass, Soft Lean Mass, Protein Mass, Mineral Mass, Total Body Water, Intra Cellular Water, Extra Cellular Water, Body Mass Index, Percent of Body Fat, Waist to hip ratio, Body Type, Fatness, Child Growth Curve (Height, Weight), Body Cell Mass, Basal Metabolic Rate, Total Energy Expenditure, Age Matched of Body, Nutritional Assessment, Body Composition Change, Segmental Soft Lean Mass, Segmental Mass of Body Fat, Study Item (Segmental Impedance Classified by Frequency)</p>
<b>Power Consumption</b>	60VA
<b>Measuring Current</b>	Approx. within 280μA
<b>Power Consumption</b>	Input (AC 100 ~ 240V, 50~60Hz), Output (DC 12V, 5A adapter)
<b>Display</b>	7 Inch Wide Color LCD
<b>Input Device</b>	Keypad, PC Remote Control
<b>Transmission Device</b>	USB Port
<b>Printing Device</b>	A4 Printer, Thermal Printer (Option)
<b>Dimension</b>	Main Unit 400 x 735 x 890mm (W x D x H ±10mm)   Main Unit + Height Meter 400 x 845 x 2250mm (W x D x H ±10mm)
<b>Weight</b>	Approx. 10kg (main unit)
<b>Measuring Range</b>	100~950Ω
<b>Measuring Time</b>	Approx. 1 minute
<b>Applicable Height</b>	50~220cm
<b>Measuring Weight</b>	10~200kg
<b>Applicable Age</b>	1~99 years old
<b>Operation Ambient</b>	Ambient temperature range +5 to +40°C, Relative humidity range 15 to 93% (non condensing)
<b>Storage Ambient</b>	Ambient temperature range -25 to +70°C, Relative humidity range lower than 93% (non condensing)

<b>Optional Equipment</b>	Ultrasonic Height Meter, Fully Automatic Sphygmomanometer, USB Memory, Thermal Printer, Product Bag (Fabric or Plastic)
<b>Printing Logo</b>	Printing logo or the name of hospital, address, contact information on the pre-printed result sheet.
<b>ID Usage</b>	It is selected whether ID is used for subjects or not.
<b>Scale Offset</b>	Compensating measured value of weight scale
<b>Clothes</b>	Compensating the weight of clothes worn
<b>Print Position</b>	Adjusting print position to fit to the pre-formatted result sheet in the direction of up/down and left/right
<b>Date / Time</b>	Setting current date and time
<b>Measurement Result</b>	ACCUNIQ MANAGER

※ For purpose of improvement, specifications and design are subject to change without notice.

※ This is a medical device. Read precaution and operation method before use.

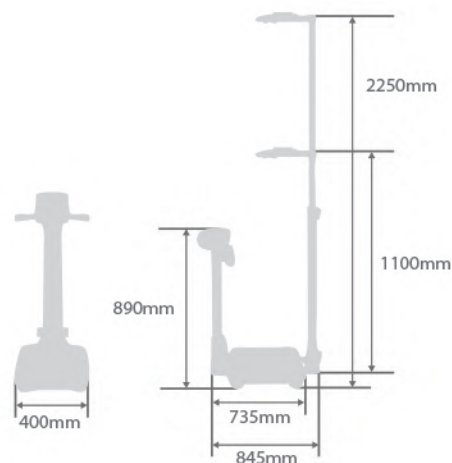


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Medical Diagnostic Device

# ACCUNIQ BC310

## Body Composition Analyzer

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The BC310 is a multi-frequency, whole body and segmental Body Composition Analyzer that utilizes innovative BIA technology to ensure accurate and precise results. This cutting edge technology utilizes harmless, low-level frequencies to offer quick and easy total body composition assessments through the LCD touch screen, printouts and client tracking software.

The results sheet displays an easy-to-read graphical analysis to help maintain healthy body composition and whole body health trending.



A silhouette of a person running on a beach at sunset. The person is in mid-stride, with their right leg forward and left leg back. The background shows a dark sky with some clouds and a body of water in the distance. The overall mood is energetic and healthy.

# + ACCUNIQ

## Medical Devices to Help Promote Health & Longevity

ACCUNIQ medical devices are manufactured by SELVAS Healthcare, a global company that incorporates the most advanced technology available to provide accurate and reliable results. We are committed to partner with our customers to provide high quality products to help their patients and clients monitor and improve their health.

Crazy Fit, Incredible Life  
Our one and only desire - a perfect body!



**History**

- 2016 Corporate name changed to SELVAS Healthcare, Inc., and listed in KOSDAQ
- 2015 World's first dual-type sphygmomanometer system approved by the US FDA
- 2014 Grand Prize, 1st People's Happiness Premium IT-incorporated Korean Medical Device Awards  
Popularity Award, Analysis and Diagnosis System Segment 2014 Selected by "Health & Beauty," a German fitness magazine
- 2010 Advanced Venture Company Award
- 2006 Director's Award by the Korea Food and Drug Administration (KFDA)
- 2005 Bronze Prize, 13th Republic of Korea Technical Awards  
Silver Prize, Venture Design Awards  
Bronze Medal of Industrial Effort, 35th Precision Technology Promotion Contest
- 2004 Body Fat Analyzer Selected as a World-Class Product (Ministry of Commerce Industry and Energy)
- 2003 Director's Award by the Korea Food and Drug Administration (KFDA)
- 2001 Prime Minister's Award, Trade Day  
KGMP(Korea Good Manufacturing Practice)-Certified
- 2000 Top Prize, Leaders' Venture Awards  
President Kim, Dae-Jung and First Lady visited our company
- 1999 Presidential Award in National Venture Awards  
Selected as a World Top-class Company

**Certifications and Awards**





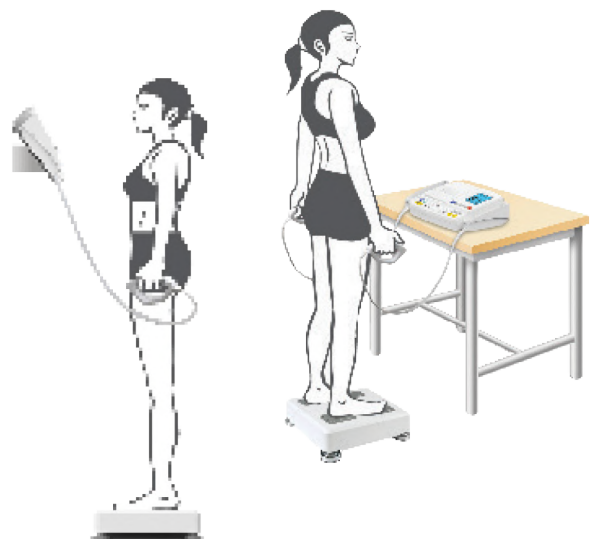
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- Monographic LCD
- 3 Available Frequencies: 5,50,250 KHz
- Built in Thermal Printer
- User Configurable Modes-Adult, Athlete, Wrestler and Goal Setter
- Client Tracking Software Provided (ACCUNIQ MANAGER)
- USB and RS232 ports for computer or printer interface

Multi-Use B.C.A. BC310  
Desk Type / Wall Type / Stand Type  
for Versatile Arrangement



Adjust the brightness of  
Mono Graphic LCD, Keypad



Upper  
part of the body



Whole Body  
Measurement



Lower  
part of the body



# + Diverse Range of Options

ACCUNIQ body composition analyzers offer multiple options to meet multiple end-user requirements.



## Fully Automatic Sphygmomanometer

Connect our fully automatic sphygmomanometer for

hospitals to control your blood pressure in connection with your body fat, which can help you manage your body weight more efficiently.



## A4 Result Sheet

The output results are displayed systematically and clearly.



## Thermal Printer

Use the thermal printer to quickly and easily print the analysis.



## Column (Support)

# Various Results and Descriptions

**ACCUNIQ**

BC310

ID / NAME : SELVAS HEALTHCARE123 / Michael

Height : 170.6 Age : 35 years Gender : Male Test Date/Time : 21 - 09 - 2016 09:34



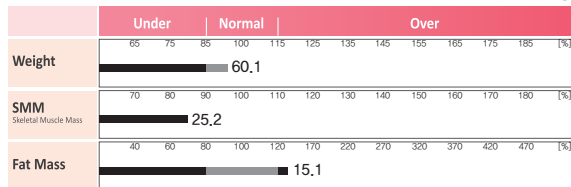
**1 Body Composition Analysis**

	values	Body Water	Soft Lean Mass	Fat-Free Mass	Weight
Body Water	32.8 (37.4 ~ 39.7)	32.8	41.9 (44.1 ~ 53.9)	45.0 (51.2 ~ 54.4)	60.1 (54.4 ~ 73.6)
Proteins	9.1 (10.2 ~ 11.5)				
Minerals	3.1 (3.7 ~ 3.8)				
Body Fat	15.1 (9.0 ~ 13.4)				

**5 Comprehensive Evaluation**

Body Type	over fat class 2
Biological Age	38 years
Basal Metabolic Rate(BMR)	1340 kcal
Total Daily Energy Expenditure	2063 kcal
Body Cell Mass	30.7

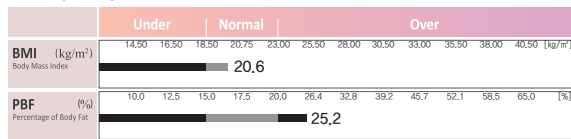
**2 Muscle/Fat Analysis**



**6 Control Guide**

Target Weight	63.2 kg
Weight Control	+3.1 kg
Muscle Control	+7.1 kg
Fat Control	-3.9 kg

**3 Obesity Analysis**



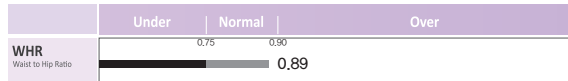
**7 Goal Setter**

Target PBF	20 %
Predicted Weight	56.3 kg
Predicted Fat Mass	11.3 kg
Control	-3.8 kg

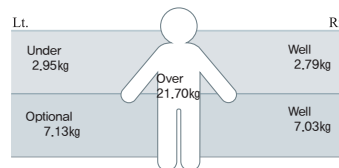
**8 Obesity Assessment**

BMI	<input type="checkbox"/> underweight <input checked="" type="checkbox"/> normal <input type="checkbox"/> overweight <input type="checkbox"/> obese
PBF	<input type="checkbox"/> low-fat <input type="checkbox"/> normal <input type="checkbox"/> over-fat <input checked="" type="checkbox"/> obese
Obesity Degree	-6.1 ( -10.0 ~ +10.0 ) %
Abdominal Circumference	82.0 ( Less than 90cm ) cm

**4 Abdominal Obesity Analysis**



**9 Segmental Lean Mass**



**10 Impedance (584)**

Freq	5K	50K	250K
RA.Imp	336	333	308
LA.Imp	335	321	293
Trunk	30	24	24
RL.Imp	292	246	215
LL.Imp	278	220	189

[MEMO]



### 1 Body Composition Analysis

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### 2 Muscle/Fat Analysis

This graph of the Skeletal Muscle Mass (SMM) and fat mass illustrates the proportion of skeletal muscle and body fat that comprise the total body weight.

### 3 Obesity Analysis

This graph of percentage of body fat (PBF) and body mass index (BMI), of which the latter is critical in assessing the prevalence of obesity, illustrates clinical data needed for obesity analysis.

### 4 Abdominal Obesity Analysis

Fat in the body is divided into subcutaneous fat and visceral fat. Visceral fat is closely connected with adult diseases, and measured based on several factors.

### 5 Comprehensive Evaluation

This item shows your body type, biological age, basal metabolic rate (BMR), total daily energy expenditure (TEE), and body cell mass.

### 6 Control Guide

This item presents your recommended target weight, weight, and muscle and fat mass control.

### 7 Goal Setter

It indicates how much fat, weight and Lean Body Mass needs to be controlled. By comparing the current status to the standard weight, the target is to reach the minimum or maximum value of optimal range.

### 8 Obesity Assessment

This item assesses your BMI, PBF and indicates your obesity degree and abdominal circumference.

### 9 Segmental Lean Mass

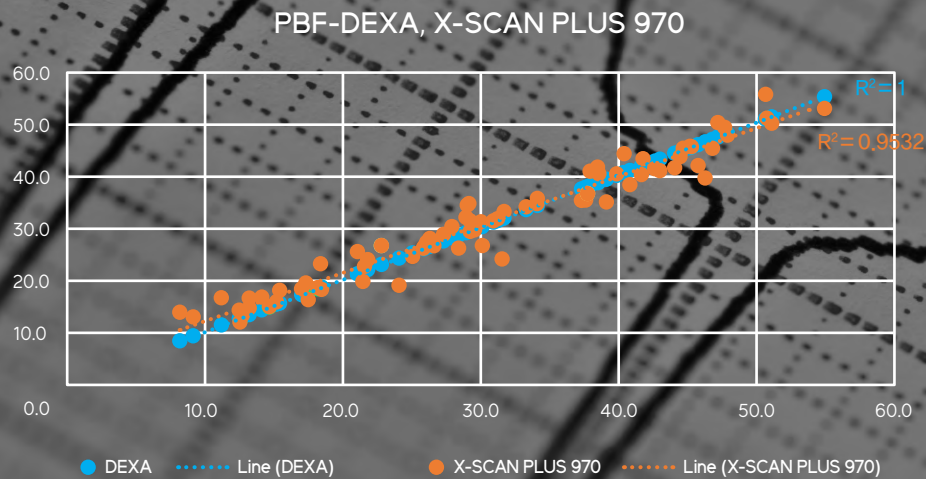
This item assesses the lean mass of 5 body parts (left arm, right arm, left leg, right leg, and trunk) in graphs.

### 10 Impedance

Impedance using frequency applied to a body part. Impedance is a resistance value when electric current is passed through the body. Each subject has a unique impedance.

# + High Consistency with DEXA

The methods of analyzing your body composition include computed tomography(CT), magnetic resonance imaging(MRI), and underwater weighing. Dual-energy X-ray absorptiometry(DEXA) is currently considered the gold standard since it accurately analyzes your fat, muscles, and bones and does not involve any radiation exposure. ACCUNIQ conducted clinical tests with IHT, a professional clinical organization based in Texas, USA, to verify our product’s precision with DEXA. The result shows that our analysis is more accurate than our competitors.



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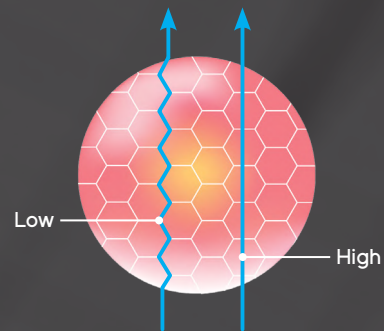
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	Percent Body Fat(%)			Body Fat Mass(kg)			Lean Body Mass(kg)		
	Mean±SD	p-value	p-value explanation	Mean±SD	p-value	p-value explanation	Mean±SD	p-value	p-value explanation
	-0.4±0.7	0.17	DEXA PBF = ACCUNIQ PBF	-0.4±0.2	0.06	DEXA PBF = ACCUNIQ PBF	0±0.3	0.99	DEXA PBF = ACCUNIQ PBF

Coefficient of Determination between Our Products (X-SCAN PLUS 970 and ACCUNIQ BCA)	LBM R <sup>2</sup>		
	BC720	BC510	BC360
	0.9967	0.9949	0.9962

## Multi-Frequency Analysis

ACCUNIQ uses 6 frequencies between 1 kHz and 1000kHz to analyze your intracellular water, extracellular water, and total body water accurately. A frequency lower than 100kHz is used to analyze extracellular water since it flows along the cell membrane, whereas a frequency above 100kHz is used to analyze total body water as it flows through the cell membrane.



## Eight-Point Touch Electrodes

ACCUNIQ uses the 8-point touch electrodes method, which is highly accurate despite its complexity. Eight electrodes may be placed on the hands and feet or wrists and ankles to analyze body composition stably.





## ACCUNIQ BC310 Specifications

Model	ACCUNIQ BC310
Measuring Method	Tetra-polar electrode method using 8 touch electrodes
Frequency Range	5, 50, 250kHz
Measuring Site	Whole body, Upper part of the body, Lower part of the body (Selective)
Results Sheet Data	Weight, Standard Weight, Lean Body Mass, Total Body Water, Intra Cellular Water, Extra Cellular Water, B.M.I. (Body Mass Index), Mass of Body Fat, Percent of Body Fat, WH.R. (Waist to Hip Ratio), Basal Metabolic Rate, Ratio of E.C.W./T.B.W., Segmental Lean Body Mass, Impedance, Body Type, Target to Control, Goal Setter
Power Consumption	60VA
Measuring Current	Approx. within 180 $\mu$ A
Power Consumption	Input (AC 100~240V, 50~60Hz), Output (DC 12V, 5A adapter)
Display	Mono Graphic LCD
Input Device	Key pad, Remote entry to PC
Transmission Device	USB Terminal, RS-232C Port
Printing Device	Thermal Printer with auto-cut and high-speed printing
Dimension	<b>Whole body - Head part</b> 350×216.5×123mm (W×D×H± 10mm) <b>Upper part of the body - Head part</b> 350×216.5×123mm (W×D×H± 10mm) <b>Lower part of the body - Head part</b> 267×216.5×90mm (W×D×H± 10mm), <b>Plate</b> 371×355×106mm (W×D×H± 10mm)
Weight	<b>Whole body</b> Approx. 13.5kg (Including the column) <b>Upper part of the body</b> Approx. 11kg, <b>Lower part of the body</b> Approx. 10kg
Measuring Range	100~950g
Measuring Time	Approx. 1 minute
Applicable Height	50~220cm
Measuring Weight	10~200kg
Applicable Age	1~99 years old
Operation Ambient	Ambient temperature range +5 to +40°C, Relative humidity range 15 to 93% (non condensing)
Storage Ambient	Ambient temperature range -25 to +70°C, Relative humidity range lower than 93% (non condensing)

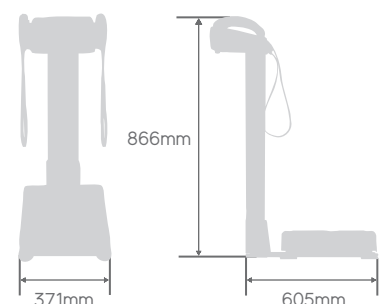
Optional Equipment	Fully Automatic Sphygmomanometer, A4 Result Sheet, Thermal Printer, Column (Support)
Printing Logo	Printing logo or the name of hospital, address, contact information on the pre-printed result sheet.
Scale Offset	Compensating measured value of weight scale
Compensating the Clothes weight	Compensating the weight of clothes which the user wears during the measurement.
Date · Time	Setting current date and time
Brightness	Adjust the brightness of Mono Graphic LCD
Thermal Printer	High speed thermal printer with auto cutting function

※ For purpose of improvement, specifications and design are subject to change without notice.  
This is a medical device. Read precaution and operation method before use.



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# ACCUNIQ BC380

The New Standard in Body Composition Analysis

BODY COMPOSITION ANALYZER  
Multi-Frequency Segmental Body Composition  
Analysis using BIA Technology



# Accurate Analysis and Seamless Data Management

ACCUNIQ BC380 delivers clinically accurate body composition results in less than 1 minute.

Easy to use, with on-screen step by step instructions and loaded with all the measurement data you will need to fully assess your clients composition levels.

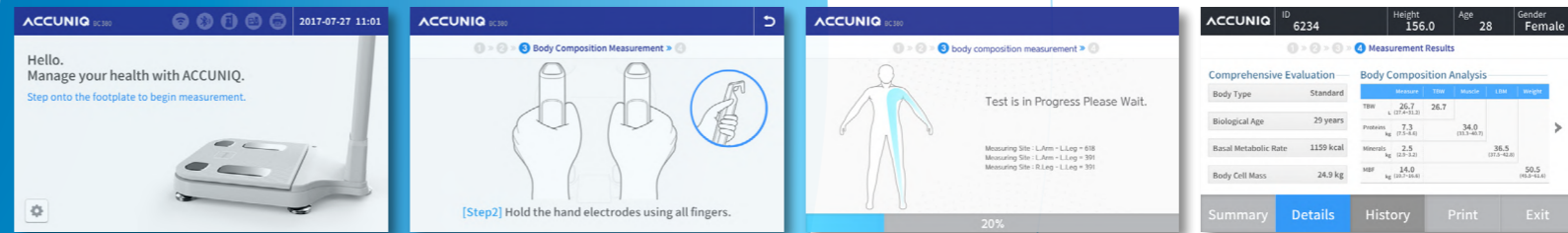
On Screen results and full page report shows measurements with healthy ranges for quick assessment.

Connect to our ACCUNIQ Manager Software program or to a variety of devices and EMR to streamline your data management process.



### Touch panel and intuitive UI

The 7-inch wide color touchscreen and convenient keypad combined with on-screen instructions makes the BC380 easy for anyone to operate.



### Electrode handle

The measurement starts automatically without the need to push a button separately when you grab the electrode handle that gives you a sense of improved grip.



### Convenient foothold electrode

large 18"x18" platform and low profile allows for easy access, comfort and stability.

Enhanced expandability by connecting the product to various devices



### Thermal printer

Thermal printer for fast printed results.



### Ultrasonic Height Meter

The ultrasonic height meter increases precision and automatically inputs height.



### Fully automatic Blood Pressure Monitor

You can diagnose obesity and measure blood pressure simultaneously by connecting a blood pressure monitor to ACCUNIQ BC380.

ACCUNIQ's accurate measurement technology  
ACCUNIQ's precise measurement technology, which shows a high correlation with DEXA equipment (Lean body mass  $R^2=0.9532$ ), analyzes body composition and monitors body fat and muscle changes.

# Streamline Measurement Data Analysis



## Body composition management program ACCUNIQ MANAGER

ACCUNIQ MANAGER is a client health data management solution that captures and presents all body composition results with comparisons to healthy ranges for fast and easy assessment.

- Generate historical comparisons to show progress and helps you personalize your diet and exercise prescriptions based on critical data.
- Print full page reports, thermal receipt, or transfer results to devices.
- Recommendation of personalized diet and exercise program to achieve healthy range.
- Easy-to-understand, intuitive screen layout with graphical data presentation.
- Screen showing systematic body composition analysis results for individual users and the provides for efficient data management processing.



## Body composition management application ACCUNIQ APP

ACCUNIQ App is a mobile service for the management of personal body composition data. You can scan the QR code of the body composition measurement result with a smart phone so clients can check the result anytime.

- Shows graphical statistical views of composition results and changes.
- A Control Guide shows recommendations on caloric intake and exercise levels to reach healthy ranges.
- Stores all measurements and shows historical graphing of measurement levels and healthy ranges.



## Remote support program ACCUNIQ REMOTE SUPPORT

You can use the USB Wi-Fi dongle, which is provided for easy use of the device, to connect to the Selvas Healthcare C/S division and receive remote service more conveniently when checking or repairing the device.

- Even if you don't know how to use the device, you can set its options through remote control.
- You can remove measurement errors by checking the offset value, performing calibration, etc.
- You can recover the firmware remotely from a PC.

# Comprehensive Results Page

Results are printed in easy to understand format with measurement comparison to the healthy range, making analysis fast and concise.



### 1 Body Composition Analysis

Shows the measurement results and normal range of total body water, protein, minerals and body fat which equal total body weight.

### 2 Muscle / Fat Analysis

Graph shows results for weight, skeletal muscle mass, and body fat mass compared to normal range.

### 3 Obesity Analysis

Graph shows body mass index and body fat percentage, compared to healthy range important indicators of obesity.

### 4 Abdominal Obesity Analysis

The fat of the human body consists of subcutaneous fat and visceral fat. This analysis assesses visceral fat that are closely related to adult diseases by using various indicators.

### 5 Segmental Lean and Fat Analysis

Graph shows muscle mass and fat mass of each of the five body parts (left arm, right arm, left leg, right leg, and torso).

### 6 Body Composition Change

Historical graph of weight, skeletal muscle mass, and body fat mass, important indicators to assess progress.

### 7 Comprehensive Evaluation

Shows body type, body age, basal metabolic rate, calories needed per day, body cell mass, visceral fat mass, degree of obesity.

### 8 Body Balance Assessment

Assessment of the balance between the left and right of the body, and the upper and lower parts of the body. It evaluates whether the body maintains balance between the left and right of the body and the upper and lower parts of the body, rather than about the mass of skeletal muscle or fat.

### 9 Control Guide

Extracellular water ratio indicates the ratio of extracellular body water to total body water. This index evaluates the body's water balance and displays the body's current state as normal, boundary, or abnormal.

### 10 Segmental Lean Mass

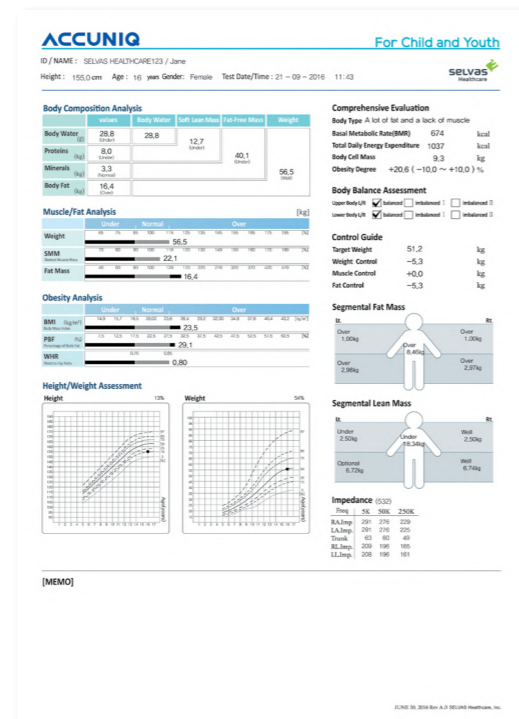
Muscle mass and status of the five body parts (left arm, right arm, left leg, right leg, torso) compared to the standard weight.

### 11 Impedance

Indicates impedance by frequencies and by body parts. Impedance is a resistance generated when electric current passes through the body. Each person has a unique impedance.

### 12 Blood Pressure Analysis

Shows the blood pressure data when the device is connected to the hematomanometer provided by ACCUNIQ. This is especially useful because it assesses your obesity level and blood pressure at the same time.



Results Page for Child and Youth (Optional)

## ACCUNIQ

BC380

ID/Name : 0000283647 / SELVAS

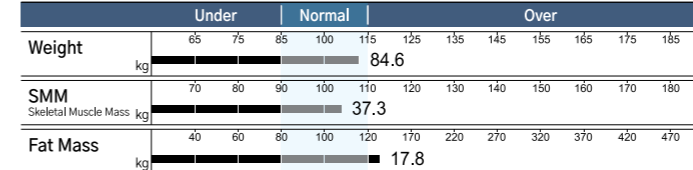
Height : 187.5 cm Age : 52 years Gender : Male Test Date/Time : 2023 - 04 - 17 14 : 00



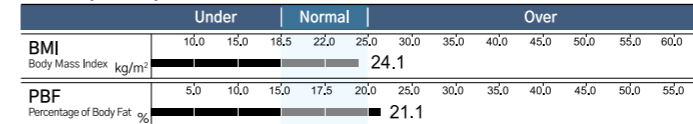
### 1 Body Composition Analysis

	Values	Body Water	Soft Lean Mass	Fat-free Mass	Weight
Body Water	49.0 (41.9 ~ 51.2)	49.0	62.2 (53.5 ~ 65.3)		
Protein	13.2 (11.5 ~ 14.1)			66.8 (57.4 ~ 70.2)	
Minerals	4.6 (4.0 ~ 4.8)				84.6 (65.7 ~ 88.9)
Body Fat	17.8 (10.8 ~ 16.2)				

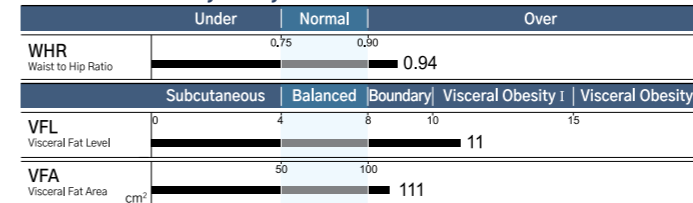
### 2 Muscle/Fat Analysis



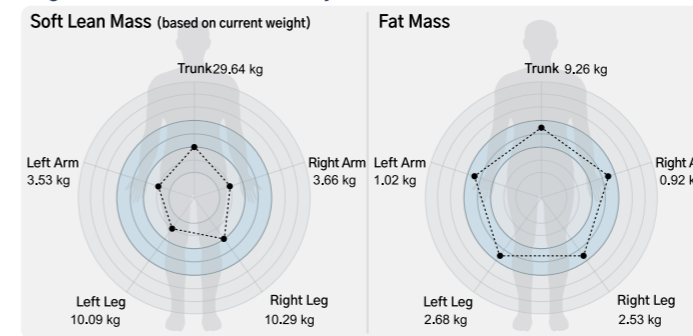
### 3 Obesity Analysis



### 4 Abdominal Obesity Analysis



### 5 Segmental Lean and Fat Analysis



### 6 Body Composition Change

Weight	84.6 kg
SMM Skeletal Muscle Mass	37.3 kg
PBF Percentage of Body Fat	21.1 %
Test date	2023,04,17 (14:00)

### Comprehensive Evaluation

Body Type	over fat class 1
Biological Age	52 years
Basal Metabolic Rate(BMR)	1812 kcal
Total Daily Energy Expenditure	2790 kcal
Body Cell Mass	43.6 kg
Visceral Fat Mass	2.5 kg
Obesity Degree	+9.4(-10.0 ~ +10.0) %
Abdominal Circumference	89.8 (Less than 102cm) cm
Total Score	82 Points

### Body Balance Assessment

Upper Body L/R	<input checked="" type="checkbox"/> Balanced <input type="checkbox"/> imbalanced I <input type="checkbox"/> imbalanced II
Lower Body L/R	<input checked="" type="checkbox"/> Balanced <input type="checkbox"/> imbalanced I <input type="checkbox"/> imbalanced II

### Control Guide

Target Weight	80.9 kg
Weight Control	-3.7 kg
Muscle Control	+0.0 kg
Fat Control	-3.7 kg
ECW ratio	0.379 (Normal)

### Segmental Lean Mass (based on standard weight)

Right Arm	3.66 kg [ 3.27 ~ 4.00 ] / Normal
Left Arm	3.53 kg [ 3.27 ~ 4.00 ] / Normal
Trunk	29.64 kg [24.59 ~ 30.06] / Normal
Right Leg	10.29 kg [ 9.03 ~ 11.03 ] / Normal
Left Leg	10.09 kg [ 9.03 ~ 11.03 ] / Normal

### Impedance(573)

Freq	5K	50K	250K
RA.Imp.	334	290	258
LA.Imp.	346	301	272
Trunk	27	23	19
RL.Imp.	288	250	227
LL.Imp.	295	256	232

### Blood Pressure Analysis

Systolic Lt 125 mmHg / Rt 111 mmHg  
Diastolic Lt 65 mmHg / Rt 69 mmHg  
Pulse 76 bpm  
Blood pressure difference between right arm and left arm  
Systolic 14mmHg, Diastolic 04mmHg



For history management, please upload this results at the website using QR code scanning.

# ACCUNIQ BC380 Specifications

Model	ACCUNIQ BC380
Measurement Method	Tetra-polar electrode method using 8 touch electrodes
Frequency Range	5, 50, 250 kHz
Measurement Area	Whole body and Segmental measurement (arms, legs, and trunk)
Result Sheet Data	<p><b>[Result for Body Composition Analysis]</b>            Body Composition Analysis (Weight, Lean Body Mass, Body Fat Mass, Muscle Mass, Protein Mass, Mineral Mass, Total Body Water), Skeletal Muscle / Fat Analysis (Weight, Skeletal Muscle Mass, Body Fat Mass), Obesity Analysis (Body Mass Index, Body Fat Percentage, Degree of Obesity, Abdominal Circumference), Abdominal Obesity Analysis (Waist Hip Ratio, Visceral Fat Level, Visceral Fat Area, Visceral Fat Mass), Cumulative Body Change Graph (Weight, Skeletal Muscle Mass, Body Fat Percentage), Overall Evaluation (Body Type, Body Age, Basal Metabolic Rate, Calories Needed per Day, Body Cell Mass, Total Score), Body Balance Assessment (Left and Right of the Upper Body, Left and Right of the Lower Body), Weight Control Targets (Recommended Weight, Weight Control Value, Muscle Control Value, Fat Control Value), Extracellular Water Ratio, Body Fat Mass / Muscle Mass by Body Parts (Left Arm, Right Arm, Left Leg, Right Leg, Torso), Impedance (By Body Parts and By Frequencies), Blood Pressure (When Interlocked with the Hematomanometer), QR Code</p> <p><b>[Result for Child and Youth (optional)]</b>            Body Composition Analysis (Weight, Lean Body Mass, Body Fat Mass, Muscle Mass, Protein Mass, Mineral Mass, Total Body Water), Skeletal Muscle / Fat Analysis (Weight, Skeletal Muscle Mass, Body Fat Mass), Obesity Analysis (Body Mass Index, Body Fat Percentage, Waist Hip Ratio), Child Growth Curve (Height, Weight), Nutritional Assessment (Protein, Mineral, Fat) , Overall Evaluation (Body Type, Basal Metabolic Rate, Calories Needed per Day, Body Cell Mass, Degree of Obesity), Body Balance Assessment (Left and Right of the Upper Body, Left and Right of the Lower Body), Weight Control Targets (Recommended Weight, Weight Control Value, Muscle Control Value, Fat Control Value), Body Fat Mass / Muscle Mass by Body Parts (Left Arm, Right Arm, Left Leg, Right Leg, Torso) Impedance (By Body Parts and By Frequencies), QR Code</p>
Measurement Current	Approx. 180 $\mu$ A $\pm$ 15
Power Consumption	60 VA
Power Supply Voltage	Input: 100–240 VAC, 50/60 Hz, 1.4–0.7 A Output: DC 12 V, 5.0 A, 60 W MAX
Display	7-inch Wide Color LCD
Input Device	Touchpad, Keypad
Transmission Device	5 USB ports, 2 RS-232C ports, Wi-Fi (basic), Bluetooth (optional)
Printing Device	USB port (printer designated by the manufacturer), thermal printer (optional)
Dimensions	Main Unit 641 $\times$ 436 $\times$ 1029 mm (W $\times$ D $\times$ H $\pm$ 10 mm) Main Unit+Height Meter 795 $\times$ 436 $\times$ 2327 mm (W $\times$ D $\times$ H $\pm$ 10 mm)
Weight	Approx. 18kg (main unit)
Measurement Range	100 – 950 $\Omega$
Measurement Time	Approx. 30 sec.
Applicable Height	50 – 220 cm
Measurement Height	100 – 210 cm
Measurement Weight	10 – 250 kg
Applicable Age	1– 99 years old
Operating Environment	Temperature 5 – 40°C, relative humidity 15 – 93% (no condensation)
Storage Environment	Temperature –25 – 70°C, relative humidity less than 93% (no condensation)
Optional Equipment	Ultrasonic anthropometer, fully automatic hematomanometer, ankle electrodes, result sheet for Infants, USB memory, thermal printer, and Bluetooth
Printing Logo	Printing the hospital name, address, contact information, and logo available
Touch Screen	Touch screen's sensor location adjustable
Data Storage	Up to 100,000 data units can be stored when using an ID.
Measurement Mode	Scale mode / Body composition mode
Various Result Sheets	Body composition result sheet, Result sheet for Infants (Optional)
Checking Measurement Results	LCD, Internet, ACCUNIQ app, and body composition management program (ACCUNIQ MANAGER)
USB Storage	You can save or retrieve all measurement data.
QR Code	Scan the QR code on the LCD or result sheet, transmit it to the management website, and check the results.
Remote Support	Remote technical support with PC (ACCUNIQ REMOTE SUPPORT)

※ For the purpose of improvement, the specifications and designs of this device and options may be changed without notice.

※ This product is a medical diagnostic device. Read "Precautions" and "Usage Methods" carefully before use.



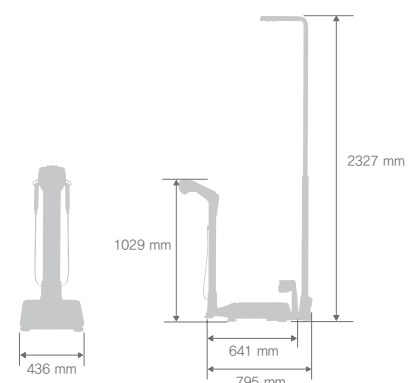
SELVAS Healthcare is Jawon Medical's new company name.

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# BC720

[www.accunIQ.com](http://www.accunIQ.com)



The BC720 is a multi-frequency, whole body and segmental Body Composition Analyzer that utilizes innovative BIA technology to ensure accurate and precise results.



Accuniq have been used in various field such as hospitals, public health sectors, fitness clubs, diet centers for healthcare management of customers and patients.

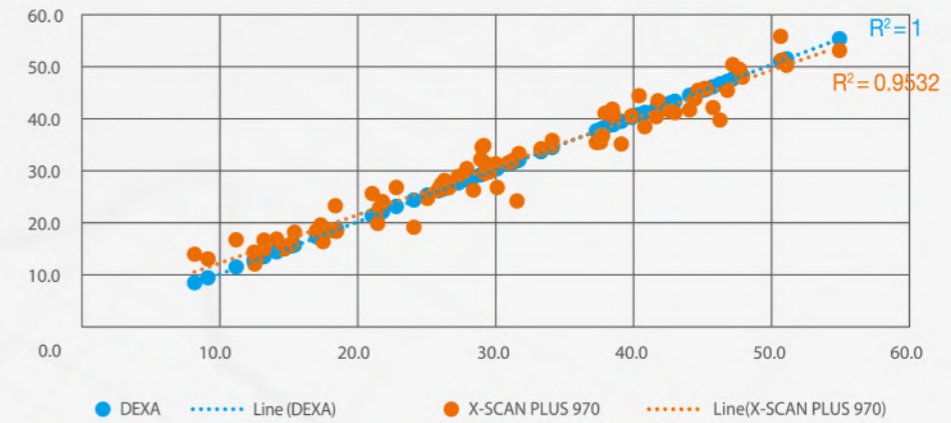
Accuniq also widely used by healthcare and fitness professionals with accurate analysis of body composition.



## + High Consistency with DEXA

The methods of analyzing your body composition include computed tomography(CT), magnetic resonance imaging(MRI), and underwater weighing. Dual-energy X-ray absorptiometry(DEXA) is currently considered the gold standard since it accurately analyzes your fat, muscles, and bones and does not involve any radiation exposure. ACCUNIQ conducted clinical tests with IHT, a professional clinical organization based in Texas, USA, to verify our product's precision with DEXA. The result shows that our analysis is more accurate than our competitors.

PBF-DEXA, X-SCAN PLUS 970



※ Determination of coefficient(R2) of DEXA is 1, and the accuracy of ACCUNIQ is higher if R2 value is close to 1.  
 ※ The accuracy of X-SCAN PLUS 970 is proved through clinical study with DEXA at IHT center in USA, and the accuracy of other ACCUNIQ brands are guaranteed by high correlation each other.

DEXA-ACCUNIQ	Paired T-test Analysis of Body Composition								
	Percent Body Fat(%)			Body Fat Mass(kg)			Lean Body Mass(kg)		
	Mean±SD	p-value	p-value explanation	Mean±SD	p-value	p-value explanation	Mean±SD	p-value	p-value explanation
	-0.4±0.7	0.17	DEXA PBF = ACCUNIQ PBF	-0.4±0.2	0.06	DEXA PBF = ACCUNIQ PBF	0±0.3	0.99	DEXA PBF = ACCUNIQ PBF

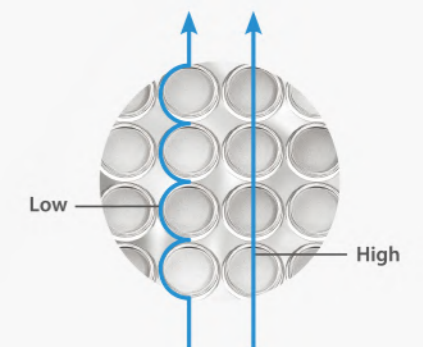
Coefficient of Determination between Our Products (X-SCAN PLUS 970 and ACCUNIQ BCA)	LBM R²		
	BC 720	BC 510	BC 360
	0.9967	0.9949	0.9962

## + Eight-Point Touch Electrodes

ACCUNIQ uses the 8-point touch electrodes method, which is highly accurate despite its complexity. Eight electrodes may be placed on the hands and feet or wrists and ankles to analyze body composition stably.

## + Multi-Frequency Analysis

ACCUNIQ uses 6 frequencies between 1 kHz and 1000kHz to analyze your intracellular water, extracellular water, and total body water accurately. A frequency lower than 100kHz is used to analyze extracellular water since it flows along the cell membrane, whereas a frequency above 100kHz is used to analyze total body water as it flows through the cell membrane.





# ACCUNIQ BC720

Innovative technology meets stylish design. The BC720 utilizes the most advanced bio-electrical impedance analysis (BIA) technology to provide accurate and dependable results that have been validated by DEXA analysis.

- 8.4 Inch Wide Color LCD Touch Screen
- 6 Available Frequencies: 1, 5, 50, 250, 550, 1000KHz
- Pediatric Mode Support
- ECW-to-TBW segmental analysis data and ECF-to-TBF ratio segmental analysis
- Store up to 100,000 analysis data that can be imported with an ID number
- Client Tracking Software Provided (ACCUNIQ MANAGER)
- Body Composition Analysis (includes 8 previous analysis to track client progress)
- USB and RS232 ports for computer or printer interface
- Optional Bluetooth Wireless Communication



## + Diverse Range of Options

ACCUNIQ body composition analyzers offer multiple options to meet multiple end-user requirements.



### Ultrasonic Height Meter

This option accurately and quickly measures your height automatically with the distance analysis method based on the AI and ultrasonic sensor.



### Bluetooth

Connect the thermal printer to your PC or mobile device wirelessly via Bluetooth. Data is transferred and saved as soon as the analysis is complete without QR code or result sheet.



### USB Memory

Use the USB memory to save the analysis data and view it on your PC.



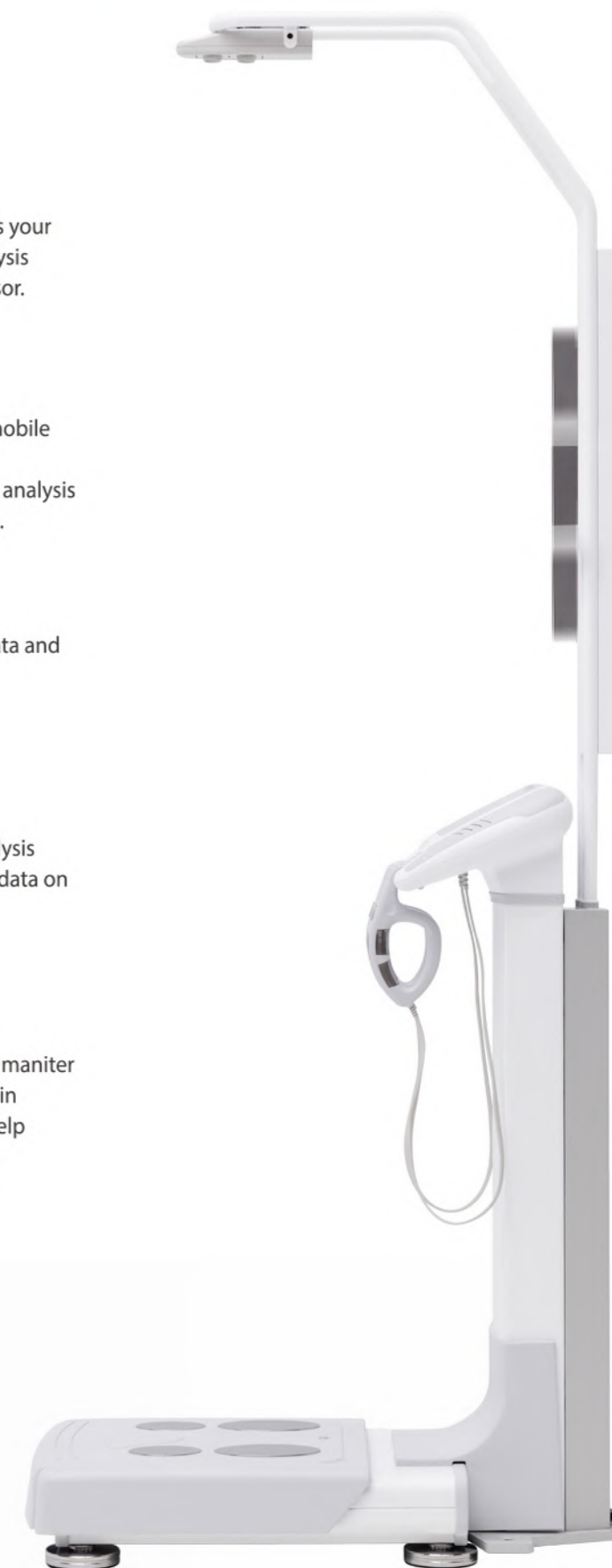
### Segmental Result and Result Sheet for child

The result sheet provides details on the analysis results from 5 different body parts and also data on child including child growth curve.



### Automatic Blood pressure maniter

Connect our fully automatic Blood pressure maniter for hospitals to control your blood pressure in connection with your body fat, which can help manage your body weight more efficiently.



# Various Results and Descriptions

ACCUNIQ

BC720

ID / NAME : SELVAS HEALTHCARE / Karen

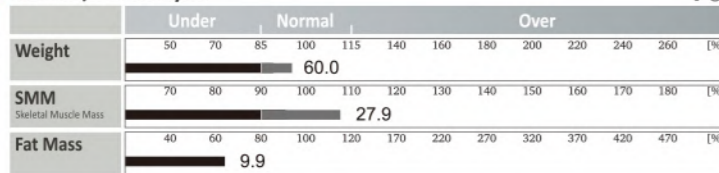
Height : 173.0 cm Age : 26 years Gender: Female Test Date/Time : 2016 - 01 - 22 14 : 00



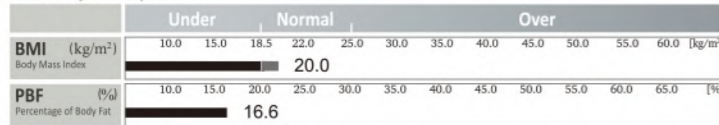
## 1 Body Composition Analysis

	values	Body Water	Soft Lean Mass	Fat-Free Mass	Weight
Body Water (L)	36.7 (31.0 ~ 37.9)	36.7	46.6 (39.3 ~ 48.1)	50.1 (42.5 ~ 51.9)	60.0 (53.4 ~ 72.3)
Protein (kg)	9.9 (8.4 ~ 10.2)				
Minerals (kg)	3.5 (3.2 ~ 3.9)				
Body Fat (kg)	9.9 (12.6 ~ 18.8)				

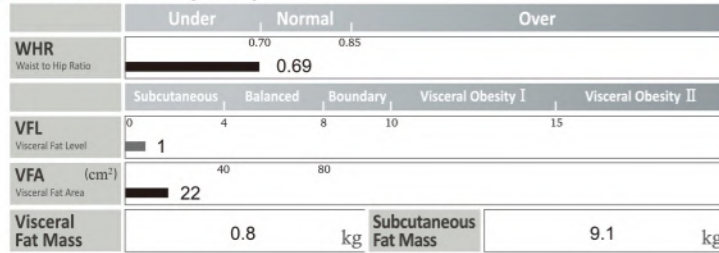
## 2 Muscle/Fat Analysis



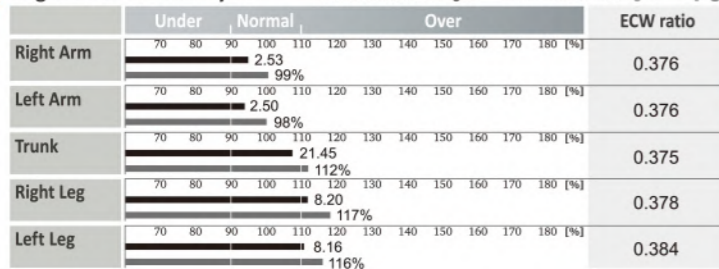
## 3 Obesity Analysis



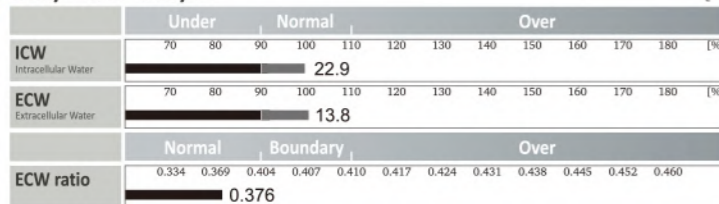
## 4 Abdominal Obesity Analysis



## 5 Segmental Lean Analysis



## 6 Body Water Analysis



## 7 Comprehensive Evaluation

Body Type: Fit  
 Biological Age: 26 years  
 Basal Metabolic Rate(BMR): 1451 kcal  
 Total Daily Energy Expenditure: 2234 kcal  
 Body Cell Mass: 32.8 kg  
 Total Score: 91 Points

## 8 Body Balance Assessment

Upper Body L/R:  balanced  imbalanced I  imbalanced II  
 Lower Body L/R:  balanced  imbalanced I  imbalanced II

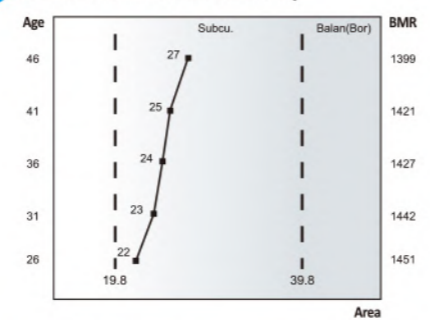
## 9 Control Guide

Target Weight: 62.9 kg  
 Weight Control: +2.9 kg  
 Muscle Control: +0.0 kg  
 Fat Control: +2.9 kg

## 10 Obesity Assessment

BMI:  underweight  normal  overweight  obese  
 PBF:  low-fat  normal  over-fat  obese  
 Obesity Degree: -4.5 (-10.0 ~ +10.0) %  
 Abdominal Circumference: 67.6 (Less than 88 cm) cm

## 11 Predicted abdominal obesity



## 12 Phase Angle: 5.7° (Normal Range : 6° ~ 8°)

## 13 Impedance (618)

Freq	1K	5K	50K	250K	550K	1M
RA.Imp.	379	372	338	307	297	289
LA.Imp.	383	376	341	310	300	292
Trunk	31	30	27	23	22	18
RL.Imp.	293	286	251	227	221	218
LL.Imp.	292	285	251	226	221	217

Xc.

Freq	1K	5K	50K	250K	550K	1M
RA.Xc.	33	33	2	24	24	
LA.Xc.						
Trunk						
RL.Xc.						
LL.Xc.						

## 1 Body Composition Analysis

This is a measurement of analysis results of body components(e.g., body water, protein, minerals and body fat) relative to normal ranges.

## 2 Muscle/Fat Analysis

This graph of the Skeletal Muscle Mass(SMM) and fat mass illustrates the proportion of skeletal muscle and body fat that comprise the total body weight.

## 3 Obesity Analysis

This graph of percentage of body fat(PBF) and body mass index(BMI), of which the latter is critical in assessing the prevalence of obesity, illustrates clinical data needed for obesity analysis.

## 4 Abdominal Obesity Analysis

Fat in the body is divided into subcutaneous fat and visceral fat. Visceral fat is closely connected with adult diseases, and measured based on several factors.

## 5 Segmental Lean Analysis

Displays the results of SLM measurements as a graph. There are five body parts that include the left arm, right arm, left leg, right leg and trunk.

## 6 Body Water Analysis

This is a measure of the intracellular water, the extracellular water, and the extracellular water ratio.

## 7 Comprehensive Evaluation

This item shows your body type, biological age, basal metabolic rate(BMR), total daily energy expenditure (TEE), and body cell mass.

## Segmental Results Sheet



## 8 Body Balance Assessment

Assesses the lateral balance of the upper and lower bodies, and the vertical balance between the upper and lower bodies.

## 9 Control Guide

This item presents your recommended target weight, weight, and muscle and fat mass control.

## 10 Obesity Assessment

This item assesses your BMI, PBF and indicates your obesity degree and abdominal circumference.

## 11 Predicted Abdominal Obesity

A diagram used to predict the subject's abdominal obesity, as they grow old, compared to the current degree of their abdominal obesity, based on the results of analysis of their abdominal obesity and body composition.

## 12 Phase Angle

Phase Angle(PA) is an index for evaluating the cell membrane's health.

## 13 Impedance

Impedance using frequency applied to a body part. Impedance is a resistance value when electric current is passed through the body. Each subject has a unique impedance.

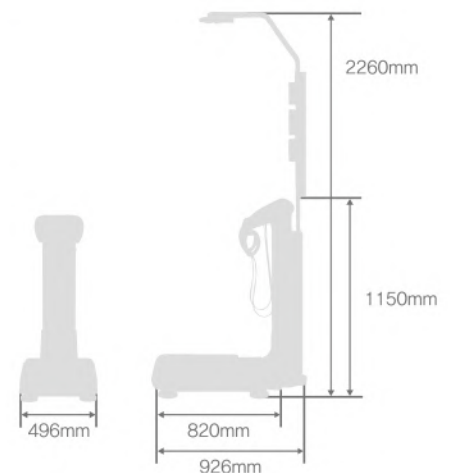
## Result Sheet for Infants (Option)

## ACCUNIQ BC720 Specifications

<b>Model</b>	ACCUNIQ BC720
<b>Measuring Method</b>	Tetra-polar electrode method using 8 touch electrodes
<b>Frequency Range</b>	1, 5, 50, 250, 550, 1000kHz
<b>Measuring Site</b>	Whole body and segmental measurement (arms, legs and trunk)
<b>Results Sheet Data</b>	<p><b>Body Composition Results</b> Weight, Standard Weight, Lean Body Mass, Mass of Body Fat, Subcutaneous Fat Mass, Skeletal Muscle Mass, Soft Lean Mass, Protein Mass, Mineral Mass, Total Body Water, Intra Cellular Water, Extra Cellular Water, Body Mass Index, Percent of Body Fat, Ratio of ECF/TBW, Waist to hip ratio, Visceral Fat Level, Visceral Fat Mass, Visceral Fat Area, Prediction of abdominal fat, Target to Control (Control of Body fat, Control of Soft lean mass, Control of Weight), Body Composition Change (8 times accumulated graph for Ratio of ECW/TBW, Percent of body fat, Soft lean mass, Weight), Segmental dual graph of soft lean mass, Body Cell Mass, Basal Metabolic Rate, Total Energy Expenditure, Age Matched of Body, Total Score, Phase Angle, Impedance (Segmental Impedance Classified by Frequency), Reactance</p> <p><b>Segmental Results</b> Segmental Total Body Water, Segmental Intra Cellular Water, Segmental Extra Cellular Water, Segmental ratio of ECW/TBW, Segmental ECF/TBF, Segmental Soft Lean Mass, Segmental Mass of Body Fat and Percent, Study Item (Segmental Impedance Classified by Frequency), Blood Pressure (In case of being connected with blood pressure monitor), QR Code</p> <p><b>Results Sheet for child (Option)</b> Weight, Standard Weight, Lean Body Mass, Mass of Body Fat, Subcutaneous Fat Mass, Skeletal Muscle Mass, Soft Lean Mass, Protein Mass, Mineral Mass, Total Body Water, Intra Cellular Water, Extra Cellular Water, Body Mass Index, Percent of Body Fat, Waist to hip ratio, Body Type, Fatness, Child Growth Curve (height, weight), Body Cell Mass, Basal Metabolic Rate, Total Energy Expenditure, Age Matched of Body, Nutritional Assessment, Body Composition Change, Segmental Soft Lean Mass, Segmental Mass of Body Fat, Study Item (Segmental Impedance Classified by Frequency)</p>
<b>Power Consumption</b>	60VA
<b>Measuring Current</b>	Approx. 180μA
<b>Power Consumption</b>	Input (AC 100~240V, 50~60Hz), Output (DC 12V, 5A adapter)
<b>Display</b>	8.4 Inch Wide Color LCD Touch Screen
<b>Input Device</b>	Touch Screen, Keypad, PC Remote Control
<b>Transmission Device</b>	USB Port, RS-232C, Bluetooth, Wi-Fi (Option), Available of external port extension (Option)
<b>Printing Device</b>	A4 Printer
<b>Dimension</b>	Main Unit 496×820×1150mm(W×D×H±10mm)   Main Unit+Height Meter 496×926×2260mm(W×D×H±10mm)
<b>Weight</b>	Approx. 42kg (main unit)
<b>Measuring Range</b>	100~950Ω
<b>Measuring Time</b>	Within 1 minute
<b>Applicable Height</b>	50~220cm
<b>Measuring Weight</b>	10~270kg
<b>Applicable Age</b>	1~99 years old
<b>Operation Ambient</b>	Ambient temperature range +5 to +40°C, Relative humidity range 15 to 93% (non condensing)
<b>Storage Ambient</b>	Ambient temperature range -25 to +70°C, Relative humidity range lower than 93% (non condensing)

<b>Optional Equipment</b>	Ultrasonic Heightmete, Automatic Blood pressure monitor, Bluetooth, USB Memory Segmental assessment result sheet-Results sheet for child
<b>Printing Logo</b>	Printing logo or the name of hospital, address, contact information on the pre-printed result sheet
<b>Data Storage</b>	Up to 100,000
<b>Measurement Mode</b>	Scale mode / Body Composition mode
<b>Various Result Sheets</b>	Body composition result sheet, Segmental assessment result sheet, Results sheet for child (Option)
<b>Measurement Result</b>	LCD, Web, Data management program, ACCUNIQ MANAGER
<b>USB Storage</b>	Data storage and backup
<b>QR Code</b>	Scan the QR code on LCD&result sheet with your smart phone. You can see the result whenever you want via AccunIQ app.

※ For purpose of improvement, specifications and design are subject to change without notice.  
 ※ This is a medical device. Read precaution and operation method before use.



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Medical Diagnostic Device

# ACCUNIQ

# BP210

# BP250

Automatic Blood Pressure Monitor

---

Our best-selling easy-to-use ACCUNIQ Sphygmomanometer ensures fast and accurate results



# + ACCUNIQ

## Medical Devices to Help Promote Health & Longevity

ACCUNIQ medical devices are manufactured by SELVAS Healthcare, a global company that incorporates the most advanced technology available to provide accurate and reliable results. We are committed to partner with our customers to provide high quality products to help their patients and clients monitor and improve their health.

Crazy Fit, Incredible Life  
Our one and only desire - a perfect body!

**History**

- 2016 Corporate name changed to SELVAS Healthcare, Inc., and listed in KOSDAQ
- 2015 World's first dual-type sphygmomanometer system approved by the US FDA
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- 2000 Top Prize, Leaders' Venture Awards  
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- 1999 Presidential Award in National Venture Awards  
Selected as a World Top-class Company

**Certifications and Awards**

 GMF Certified	 CE Certified	 TUV Rheinland Certified	 FDA Approved	 Korea Testing Laboratory
 Presidential Award in National Venture Award	 Bronze Medal of Industrial Effort in Precision Technology Promotion Contest	 GoodDesign Award		

**ACCUNIQ** medical devices have been used globally to measure and analyze overall health results with our medical and healthcare professionals in mind where accuracy is of the utmost importance.

ACCUNIQ medical devices are currently used globally in hospitals, medical facilities, doctor's offices, weight loss centers, fitness & rehabilitation centers, nursing homes, public health facilities, and retail locations.

Hospital · Health Center



Sports Center



Office



Hotel · Resort



School



Bank



Factory



Subway





BP210 is designed to be convenient, easy-to-use, and to provide reliable results. These highly advanced blood pressure monitors make it easy to keep track of patient data and information. They also print out the results of the analysis immediately after the measurement is taken.

- Clear LED display
- Simple one-touch function
- Voice guidance program and emergency safety apparatus integrated
- Rear monitor accepting data entry
- High-speed printer and automatic cutter incorporated to facilitate clean and fast printing
- Card reader incorporated to keep track of and compare the results
- Auto ON/OFF function with proximity sensor (energy saving function)
- Smooth, curved, and stable design

## Diverse Range of Options



Rear Monitor

Proximity  
SensorThermal  
Printer

Adjustable Chair



Magnetic Card



RFID Card

Wireless  
Communication

Dedicated Cart



BP210 Left-Arm Type



Rear Monitor

**Result Items**

Systolic and diastolic pressures, pulse, pulse pressure, blood pressure assessment, pulse wave pattern, cumulative data (card option), etc.

**Rear Monitor (Optional):**

Systolic and diastolic pressures, pulse, ID No., BMI, obesity level

- 1 LED display
- 2 Magnetic card reader
- 3 High-speed printer
- 4 START button
- 5 STOP button
- 6 Proximity sensor
- 7 Emergency stop switch
- 8 Arm stand
- 9 Cuffs



BP250 is the world's first sphygmomanometer that displays the analysis results and QR code on the LCD display without printing out the result sheet and lets you use a smartphone or another mobile device to transfer, save, and show data.

- 7"- wide color LCD display
- Simple one-touch function
- Voice guidance program and emergency safety apparatus integrated
- Data management via mobile device (QR code displayed on the LCD display)
- Rear monitor accepting data entry
- High-speed printer and automatic cutter incorporated to facilitate clean and fast printing
- Card reader incorporated to keep track of and compare the results
- Auto ON/OFF function with proximity sensor (energy saving function)
- Smooth, curved, and stable design

## Diverse Range of Options



Rear Monitor

Proximity  
Sensor

Adjustable Chair



Dedicated Cart

Body weight·  
Body fat·  
Anthropometer  
connection

Magnetic Card

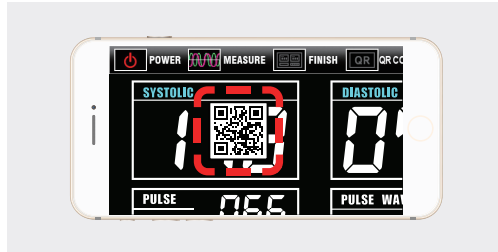


RFID Card

Wireless  
Communication



BP250 Left-handed Type



The first of its kind, it displays the QR code on the LCD display. If you link the product with a smartphone, it saves your blood pressure data and helps you keep track of the trend to keep your blood pressure under control.

**Result Items**

Systolic and diastolic pressures, pulse, pulse pressure, blood pressure assessment, pulse wave pattern, cumulative data (card option), etc.

**Rear Monitor (Optional):**

Systolic and diastolic pressures, pulse, ID No., BMI, obesity level

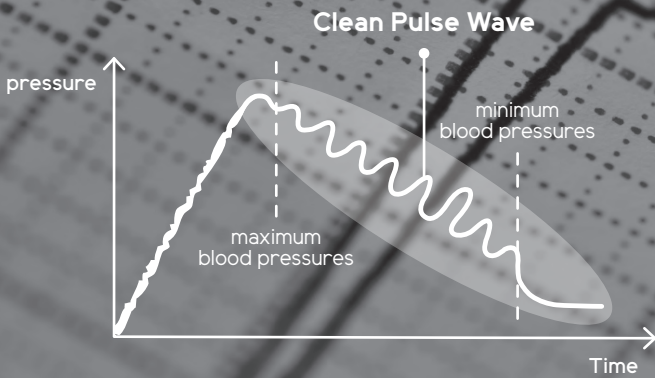
- 1 LCD display
- 2 Magnetic card reader
- 3 High-speed printer
- 4 START button
- 5 STOP button
- 6 Proximity sensor
- 7 Emergency stop switch
- 8 Arm stand
- 9 Cuffs



# + Depressurizing Measurement Method

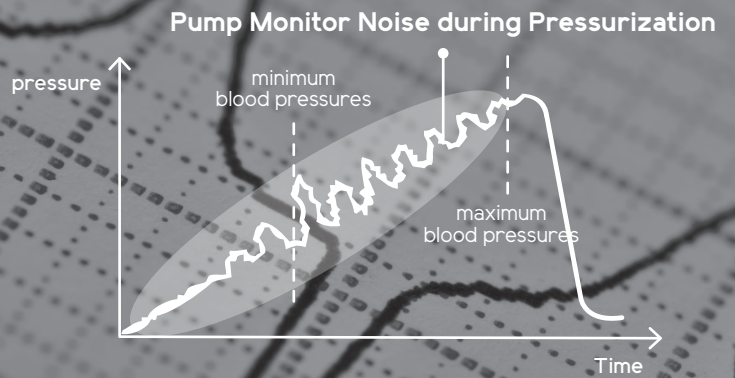
Consistent with over 120 years' sphygmomanometer history, ACCUNIQ Blood Pressure Monitors takes measurements of blood pressure as the cuffs are depressurized. This standard measurement method provides results that are quick and accurate.

ACCUNIQ's Depressurizing Measurement



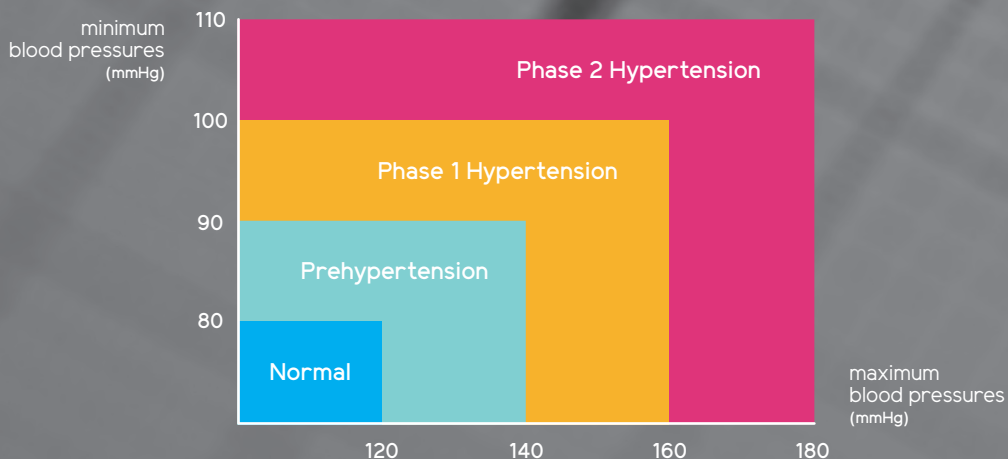
vs

Upstream Pressurizing Measurement



## Risky Blood Pressure Level

Blood pressure classification by the US Combined Board JNC 7, 2003 (Unit: mmHg)



# FAQ

## **Q. What can I do if my blood pressure fluctuates considerably?**

A. Our body experiences constant circulation and changes. In addition, our blood pressure varies constantly based on our heartbeat and breathing frequency. Since our blood pressure cannot be precisely determined by just one measurement, the 24-hour-a-day ambulatory blood pressure monitoring system has been increasingly used in recent years. To determine whether your way of taking blood pressure is right or wrong, visit our website for the cautions when taking blood pressure.

## **Q. What is DP (double product)?**

A. DP is your maximum blood pressure multiplied by pulse rate. The higher your maximum blood pressure and the quicker your pulse, the higher your DP is.

## **Q. What are the factors that make your blood pressure change?**

A. Your blood pressure may change for 1 hour after a meal, after drinking alcohol, coffee, or tea (containing caffeine), after smoking, bathing, or exercising, if you speak or move during analysis, when the room temperature dramatically changes, or after you take hypotension medicine.

## **Q. When is the best time to take my blood pressure?**

A. If you want to do it in the morning, doing so within 1 hour of waking, after urination, and before breakfast is recommended. To do it in the evening, it is best to do so before going to bed. Doing it twice -- once each in the morning and night at the same time -- is also recommended.

## ACCUNIQ BP210 Specifications

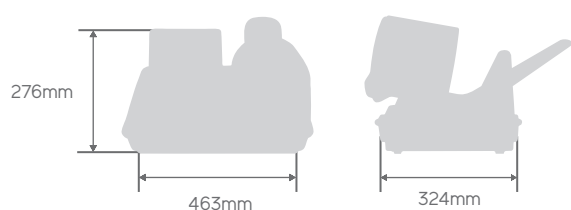
Model	ACCUNIQ BP210
Measuring Method	Oscillometric
Display Mode	High Brightness LED Display (Size 197x145mm)
Measuring Ranges	Pressure 30~300 mmHg, Pulse 30~200 bpm
Accuracy	Pressure $\pm 3$ mmHg or $\pm 3\%$ , Pulse $\pm 3\%$
Cuff Type	Belt type
Power Supply	AC 100~240V, 50/60Hz   DC 12V, 5A adapter
Power Consumption	60A
Data Transmission	RS-232C
Dimension	463(W) x 324(D) x 276(H)mm
Weight	Approx. 11kg
Optional Equipment	Human Sensor, Cart, Chair (height adjustable), Reverse Monitor, Thermal Printer, Magnetic Card, RFID Card, Bluetooth
Result Contents	Blood Pressure (Systolic·Diastolic·Mean Blood Pressure, Pulse Pressure), Pulse (Pulse), Analysis (Pulse Wave Pattern·Blood Pressure Assessment), Reverse Monitor (Systolic·Diastolic Blood Pressure, Pulse, ID, BMI, Fatness)

## ACCUNIQ BP250 Specifications

Model	ACCUNIQ BP250
Measuring Method	Oscillometric
Display Mode	Wide Color LCD Display (Size 7 inch, Pixel 800x480)
Measuring Ranges	Pressure 30~300 mmHg, Pulse 30~200 bpm
Accuracy	Pressure $\pm 3$ mmHg or $\pm 3\%$ , Pulse $\pm 3\%$
Cuff Type	Belt type
Power Supply	AC 100~240V, 50/60Hz   DC 12V, 5A adapter
Power Consumption	60A
Data Transmission	RS-232C
Dimension	463(W) x 324(D) x 276(H)mm
Weight	Approx. 11kg
Optional Equipment	Cart, Chair (height adjustable), Reverse Monitor, Magnetic Card, RFID Card, Bluetooth, Connection of Weight·Body Fat·Height Measuring Device
Result Contents	Blood Pressure (Systolic·Diastolic·Mean blood pressure, Pulse Pressure), Pulse (Pulse), Analysis (Pulse Wave Pattern·Blood Pressure Assessment), Reverse Monitor (Systolic·Diastolic Blood Pressure, Pulse, ID, BMI, Fatness)

※ For purpose of improvement, specifications and design are subject to change without notice.

This is a medical device. Read precaution and operation method before use.



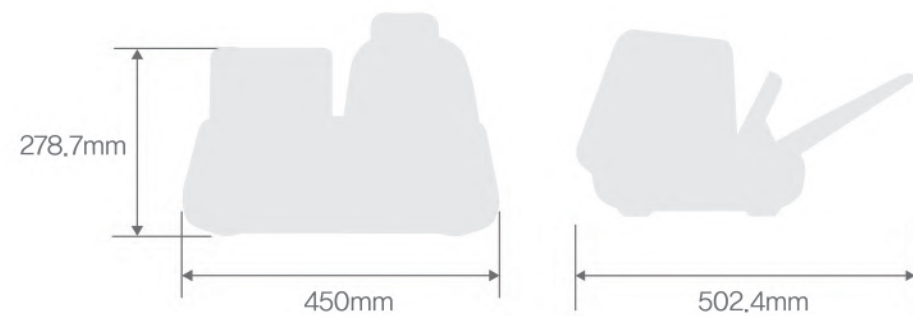
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## ACCUNIQ BP500 Specifications

Model	ACCUNIQ BP500
Measuring Method	Oscillometric
Display	Custom Mono LCD Disply
Measuring Range	Pressure 0 ~ 300mmHg, Pulse 30 ~ 240bpm
Accuracy	Pressure $\pm 2$ mmHg, Pulse within $\pm 1.5\%$
Cuff Type	Double cuff type
Minimum Scale unit	1mmHg
Pressurization	Complete automatic pressurization
Exhaust	Electronic exhaust system by micro control
Power Supply	Input: AC 100~240V, 50/60Hz / Output: DC 12V, 5A adapter
Operating Range	Temp. 10~40°C, Humidity 30 ~ 75% (non condensing)
Storage Range	Temp. -10~60°C, Humidity 95% (non condensing)
Dimension	450(W) × 502.4 (D) × 278.7(H)mm ( $\pm 10$ mm)
Weight	About 4.8 kg
Print	Thermal printer
Result	Systolic / Diastolic / Mean blood pressure, Pulse, Pulse pressure, Pulse wave pattern Rear Monitor(Optional) : Systolic / Diastolic blood pressure, Pulse, ID NO, Height, Weight, BMI

- ※ For purpose of improvement, specifications and design are subject to change without notice.
- ※ This is a medical device. Read precaution and operation method before use.
- ※ It is highly recommended for the product to be calibrated every 2 year if it is used a lot or 3 years are passed even though it is not used a lot after the purchase.



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# ACCUNIQ BP500

www.accunIQ.com





# BP500

Automatic Blood Pressure Monitor

BP 500 is light and solid design demonstrating high accuracy with two step measurement of customized pressurization

- Light and solid with a weight of less than 5kg
- Simple and sleek design
- Leading a good posture and stability during the measurement
- Detecting movement of the arm during the measurement to remove any measurement error
- Can be measured even the arm is thin or the pulse is weak
- Judging the blood pressure condition of the patient first at the phase of the pressurization, and doing second measurement at the phase of the exhaust
- Excellent visibility with the clear LCD
- Compatible with all the AccunIQ BCA devices
- Latex-free for those whom are allergic

+ Various optional parts for user



Thermal Printer



Rear Monitor



Adjustable Chair



Exclusive Cart



ACCUNIQ Body Composition Analyzer connection



- 01 LCD display
- 02 Emergency stop
- 03 Start / Stop
- 04 High-speed printer
- 05 Cuff
- 06 Arm support



+ Various printouts

2019.01.10 13:17	
SYSTOILC	120 mmHg
DIASTOILC	71 mmHg
PULSE	86 bpm
ACCUNIQ	

• Simple mode A

2019.01.10 13:17	
SYSTOILC	120 mmHg
DIASTOILC	71 mmHg
PULSE	86 bpm
PRP	10320
ACCUNIQ	

• Simple mode B

2019.01.10 13:17	
SYSTOILC	120 mmHg
DIASTOILC	71 mmHg
MEANPRESS	87 mmHg
PULSE	86 bpm
PULSEPRESS	49 mmHg
PRP	10320
PULSE WAVE PATTERN	
ACCUNIQ	

• Normal mode

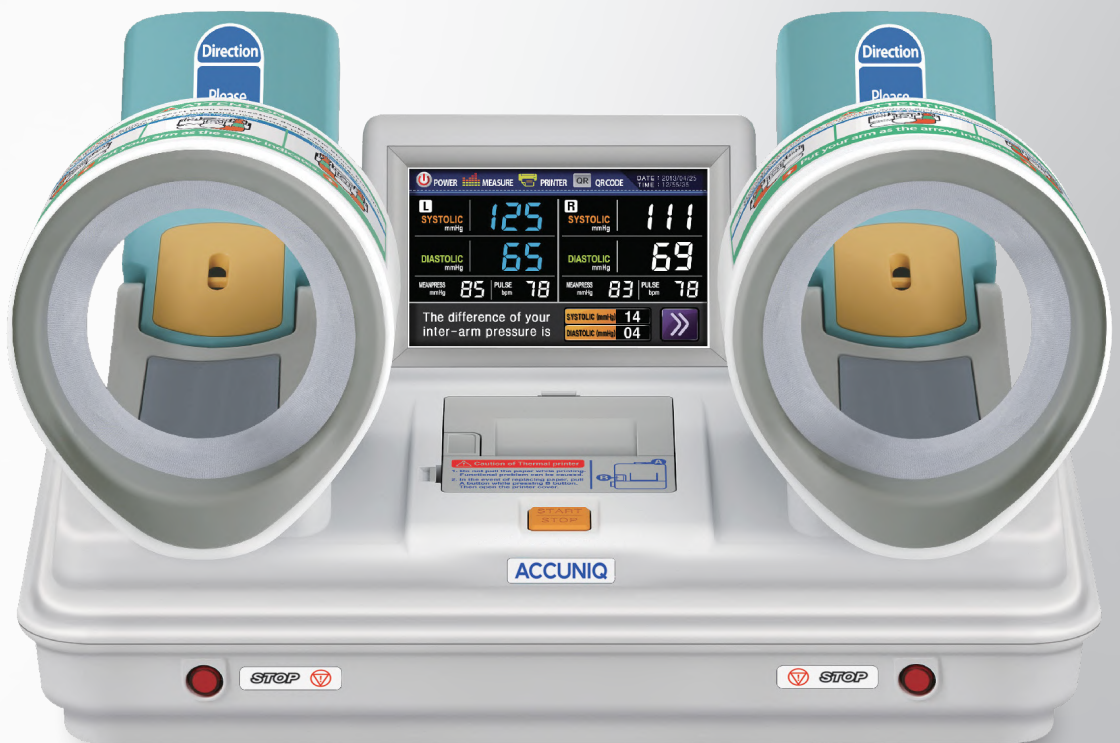
Medical Diagnostic Device

# ACCUNIQ BP850

## Dual-Arm Blood Pressure Monitor

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World's first dual-arm Automatic sphygmomanometer system that measures blood pressure from both arms to provide convenient and reliable blood pressure measurements.



# + ACCUNIQ

## Medical Devices to Help Promote Health & Longevity







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Crazy Fit, Incredible Life  
Our one and only desire - a perfect body!

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Hospital · Health Center



Sports Center



Office



Hotel · Resort



School



Bank



Factory



Subway





Result Items

- 1 Maximum blood pressure of both arms
- 2 Minimum blood pressure
- 3 Average blood pressure
- 4 Blood pressure difference
- 5 Pulse

It displays the QR code on the LCD display. If you link the product with a smartphone, it saves your blood pressure data and helps you keep track of the trend so that you can keep your blood pressure under control.

# Various Results Sheet

Basic

<p>1</p> <p>2011 / 05 / 23 15:07</p> <p>Lt</p> <p>SYSTOLIC ..... 125 mmHg</p> <p>DIASTOLIC ..... 65 mmHg</p> <p>MEANPRESS ..... 85 mmHg</p> <p>PULSE ..... 78 bpm</p>	<p>2</p> <p>2011 / 05 / 23 15:07</p> <p>Rt</p> <p>SYSTOLIC ..... 111 mmHg</p> <p>DIASTOLIC ..... 69 mmHg</p> <p>MEANPRESS ..... 83 mmHg</p> <p>PULSE ..... 78 bpm</p> <p>Inter-arm Difference</p> <p>SYSTOLIC <b>14</b> mmHg</p> <p>DIASTOLIC <b>04</b> mmHg</p> <p>Refer to the results and consult to physician about specific medical information.</p>	<p>3</p> <p>2011 / 05 / 23 15:07</p> <p>Rt</p> <p>ID 123456789</p> <p>HEIGHT ..... 160 cm</p> <p>WEIGHT ..... 50 kg</p> <p>FATNESS ..... 25.5 %</p> <table border="1"> <tr><th>SYSTOLIC</th><th>DIASTOLIC</th></tr> <tr><td>125 mmHg</td><td>65 mmHg</td></tr> <tr><th>MEANPRESS</th><th>PULSE</th></tr> <tr><td>85 mmHg</td><td>78 bpm</td></tr> </table> <p>Previous 120/80 mmHg 65 dpm Present 120/80 mmHg 65 dpm</p>	SYSTOLIC	DIASTOLIC	125 mmHg	65 mmHg	MEANPRESS	PULSE	85 mmHg	78 bpm
SYSTOLIC	DIASTOLIC									
125 mmHg	65 mmHg									
MEANPRESS	PULSE									
85 mmHg	78 bpm									
<p>6</p> <p>2011 / 05 / 23 15:07</p> <p>Lt</p> <p>SYSTOLIC ..... 125 mmHg</p> <p>DIASTOLIC ..... 65 mmHg</p> <p>MEANPRESS ..... 85 mmHg</p> <p>PULSE ..... 78 bpm</p> <p>Your Blood Pressure is Prehypertension.</p>	<p>7</p> <p>2011 / 05 / 23 15:07</p> <p>Lt</p> <p>ID 123456789</p> <p>HEIGHT ..... 160 cm</p> <p>WEIGHT ..... 50 kg</p> <p>FATNESS ..... 25.5 %</p> <p>SYSTOLIC ..... 125 mmHg</p> <p>DIASTOLIC ..... 65 mmHg</p> <p>MEANPRESS ..... 85 mmHg</p> <p>PULSE ..... 78 bpm</p> <p>Previous 120/80 mmHg 65 dpm Present 120/80 mmHg 65 dpm</p>	<p>5</p> <p>2011 / 05 / 23 15:07</p> <p>Rt</p> <table border="1"> <tr><th>SYSTOLIC</th><th>DIASTOLIC</th></tr> <tr><td>125 mmHg</td><td>65 mmHg</td></tr> <tr><th>MEANPRESS</th><th>PULSE</th></tr> <tr><td>85 mmHg</td><td>78 bpm</td></tr> </table> <p>Your Blood Pressure is Prehypertension.</p>	SYSTOLIC	DIASTOLIC	125 mmHg	65 mmHg	MEANPRESS	PULSE	85 mmHg	78 bpm
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125 mmHg	65 mmHg									
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85 mmHg	78 bpm									
	<p>4</p> <p>2011 / 05 / 23 15:07</p> <p>Lt</p> <p>SYSTOLIC ..... 125 mmHg</p> <p>DIASTOLIC ..... 65 mmHg</p> <p>MEANPRESS ..... 85 mmHg</p> <p>PULSE ..... 78 bpm</p> <p>Your Blood Pressure is Prehypertension.</p>	<p>8</p> <p>2011 / 05 / 23 15:07</p> <p>Rt</p> <table border="1"> <tr><th>SYSTOLIC</th><th>DIASTOLIC</th></tr> <tr><td>125 mmHg</td><td>65 mmHg</td></tr> <tr><th>MEANPRESS</th><th>PULSE</th></tr> <tr><td>85 mmHg</td><td>78 bpm</td></tr> </table> <p>Your Blood Pressure is Prehypertension.</p>	SYSTOLIC	DIASTOLIC	125 mmHg	65 mmHg	MEANPRESS	PULSE	85 mmHg	78 bpm
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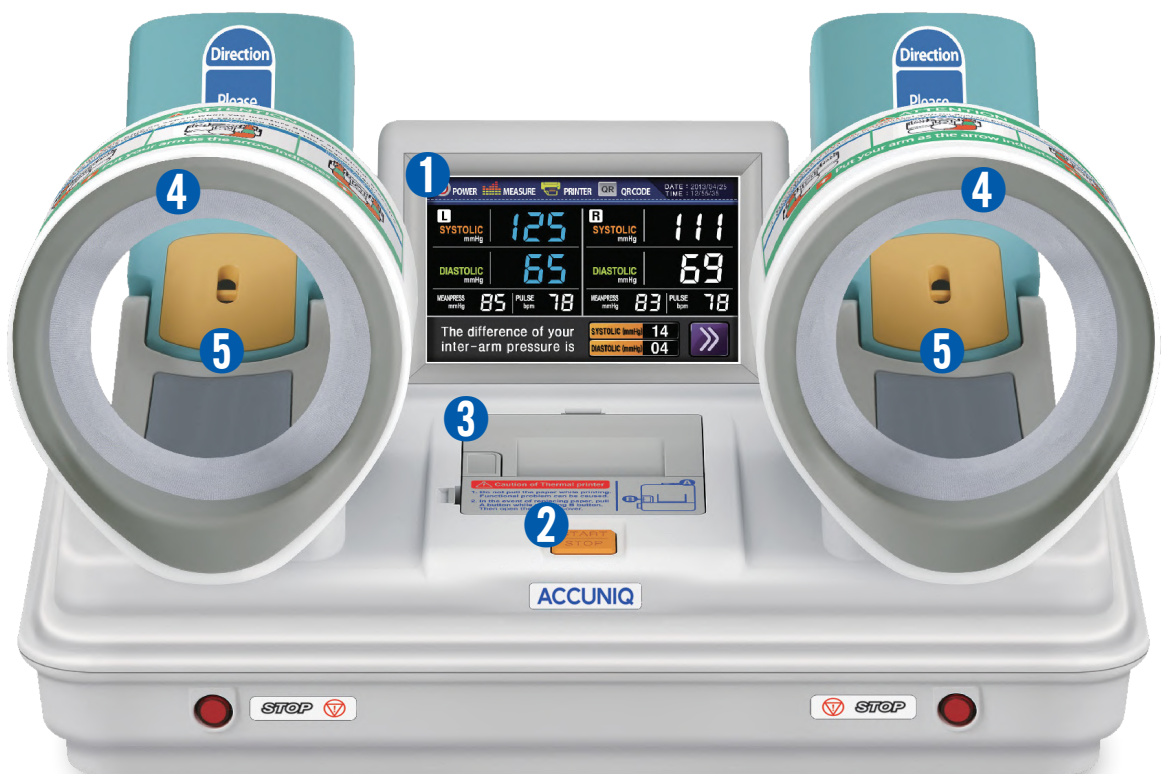
## Features

- 1 7"- wide color LCD display (touchscreen)
- 2 Easy-to-use one-touch button (hand switch and foot switch)
- 3 High-speed thermal printer featuring simple paper replacement and fast printing
- 4 Cuff guide rings with diameter of 150 mm to keep the user comfortable
- 5 Cuffs and movement sensor at the same level to make analysis more accurate

※ According to the WHO recommendation, if the maximum blood pressures taken from both arms differ by 20 mmHg, and minimum blood pressures differ by 10 mmHg, such may indicate a risk factor of circulatory disease, requiring medical consultation.



Hand and Foot switch for comfortable measurement





# + Diverse Range of Options



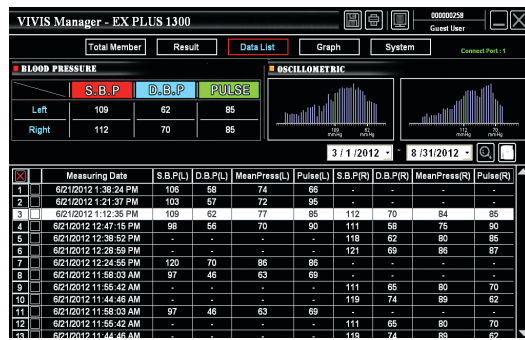
VIVIS Manager



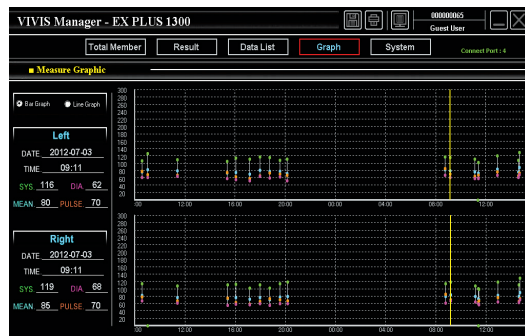
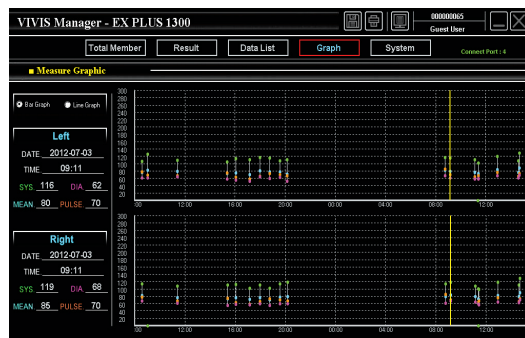
A4 Result Sheet



Adjustable chair



VIVIS Manager is a blood pressure data management program that helps you manage the analysis results and cumulative data.



# The dual-type sphygmomanometer takes blood pressure from both arms at the same time to produce a more comprehensive result.

## Why do we need to take blood pressure from both arms?

Blood pressure is usually taken using your right arm. If the systolic pressures taken from the right and left arms differ by 15 mmHg or more, the veins toward your limbs tend to get narrower. Such vein narrowing reportedly increases the risk of stroke by 70% and fatality due to common cause by 60%. BP850 lets you identify any blood pressure differences between your arms quickly and easily to help detect any differences in your circulatory system at an early stage.

## News Release on the Automatic Dual-Type Sphygmomanometer BP850

※ Patients whose systolic and diastolic pressures on both arms differ by 10 or more suffer higher fatality rate than others. If the systolic pressures of both arms have a difference of over 10 in particular, the fatality rate doubles. In the case of diastolic pressure, the fatality rate is 3.4 times higher.

**양팔 혈압차 20mmHg 이상이면 '동맥경화증' 의심하세요**

기사 100자판

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고혈압이 있는 김모(42)씨가 용인시에서는 최근 병원에서 혈압을 재 뒤 오른쪽의 혈압이 왼쪽보다 30mmHg 정도 낮게 나왔다. 좀 말 걸사 결과, 김씨는 동맥경화증 진단을 받았다.

김씨처럼 양팔의 혈압을 측정해 한쪽 팔의 수축기 혈압이 20mmHg 이상 차이가 나면 동맥경화증으로 인한 말초혈관질환을 의심해야 한다. 오미경 강릉아산병원 가정의학과 교수는 "정상인도 양팔 혈압이 2~4mmHg 정도 차이가 날 수 있지만, 혈압이 20mmHg 정도 차이이면 말초혈관이 좁아진다는 신호"라고 말했다.

동맥경화증은 혈관 내면에 콜레스테롤이 쌓여 혈관 내부의 지름이 극적으로 좁아지고, 그 결과 혈액순환장애가 생기는 질환이다. 만약 중의 오른쪽에 분포한 혈관 중 일부가 좁아지면 오른쪽의 혈압이 왼쪽보다 낮아진다. 권태연 서울아산병원 혈관외과 교수는 "양팔의 혈압이 비정상적으로 차이가 나면 CT 혈관조영술이나 혈관초음파 검사 같은 정밀검진을 받는 것이 좋다"고 말했다.

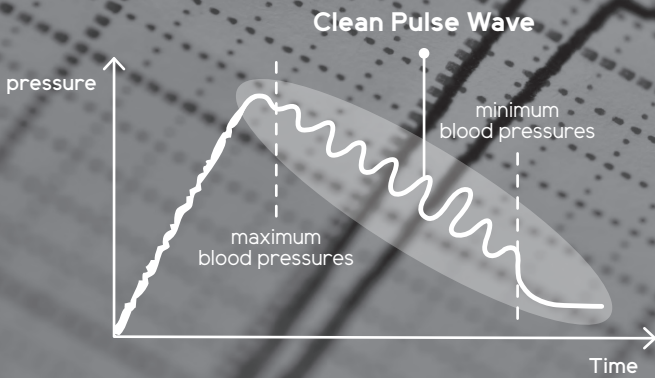
가죽 중 동맥경화증, 고혈압, 고지혈증, 당뇨병 환자가 있으면 혈압을 측정할 때 양팔의 혈압을 동시에 측정해달라고 요청해야 한다. 이런 검사만으로도 동맥경화증을 조기에 발견할 수 있게 때문이다. 오미경 교수는 "고혈압이나 당뇨병, 고지혈증 환자의 약 10%가 양팔의 혈압에 차이가 있다. 이들은 동맥경화증을 주의해야 한다"고 말했다.

권태연 교수는 "혈소판 쪽 손이 저리거나 두 손을 맞잡을 때 한 쪽 손이 심하게 저거나 사팔, 한 쪽 팔의 근력이 크게 약해지는 사람도 양팔의 혈압을 체크해 보는 것이 좋다"고 말했다. 양팔의 혈압을 비교하면 동맥경화의 첫 신호를 빠르게 발견할 수 있다. 백세병원은 혈관 영음으로 혈관 내부가 두꺼워져 혈액순환장애를 일으키는 질환이다.

# + Depressurizing Measurement Method

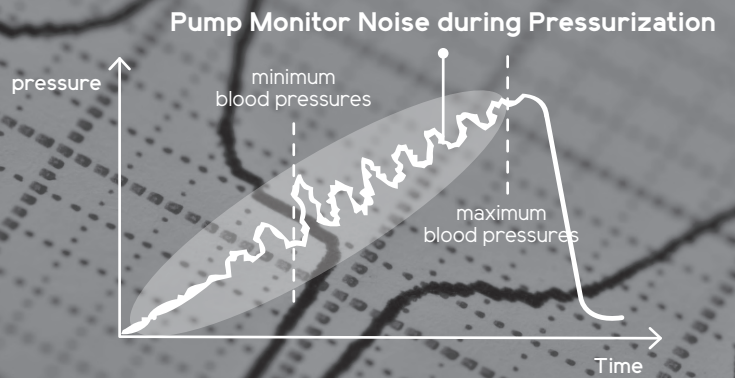
Consistent with over 120 years' sphygmomanometer history, ACCUNIQ Blood Pressure Monitor takes measurements of blood pressure as the cuffs are depressurized. This standard measurement method provides results that are quick and accurate.

ACCUNIQ's Depressurizing Measurement



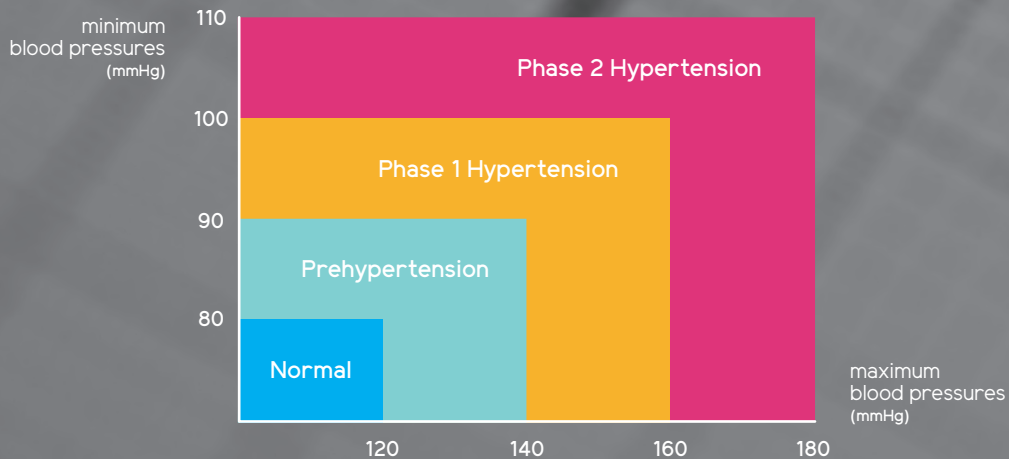
vs

Upstream Pressurizing Measurement



## Risky Blood Pressure Level

Blood pressure classification by the US Combined Board JNC 7, 2003 (Unit: mmHg)



# Various Analysis Methods



Left Arm



Both Arms



Right Arm

## FAQ

### Q. What can I do if my blood pressure fluctuates considerably?

A. Our body experiences constant circulation and changes. In addition, our blood pressure varies constantly based on our heartbeat and breathing frequency. Since our blood pressure cannot be precisely determined by just one measurement, the 24-hour-a-day ambulatory blood pressure monitoring system has been used more frequently in recent years. If you have question regarding your blood pressure fluctuations, please consult your healthcare professional. Please visit our website for more information or questions regarding proper medical device usage.

### Q. What does the blood pressure difference between both arms indicate?

A. According to many leading experts and clinical research, the blood pressure difference between arms is a simple clinical index that can indicate coronary artery diseases, peripheral vascular diseases like subclavian steal syndrome, vascular diseases, thoracic aortic aneurysm caused by arteriosclerosis, Takayasu disease, coarctation of aorta, aortic dissection caused by hypertension, and cardiovascular diseases. Many scientists discovered that patients suffering any of the above diseases experience a difference between blood pressures of both arms.

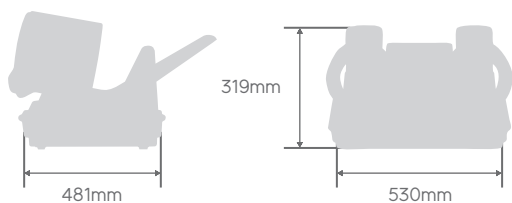
### Q. Isn't it possible to take blood pressure from both arms one after another with a single-type sphygmomanometer?

A. When taking blood pressure from both arms, the measurement conditions are very important. Blood pressure constantly changes due to conditions including your posture or the environment. Therefore, results may vary. Blood pressure measurements from both arms and their comparison are meaningful only if they are taken under the same conditions. Taking blood pressure from one arm after another cannot guarantee an accurate result since we cannot be sure that the difference is caused by the environment or an actual change in blood pressure.

## ACCUNIQ BP850 Specifications

Model	ACCUNIQ BP850
Measuring Method	Oscillometric
Display Mode	Color LCD Touch Display (7 inch)
Measuring Parts	Left·Right·Both arms
Measuring Ranges	Pressure 30~300 mmHg, Pulse 30~240 bpm
Accuracy	Pressure $\pm 3$ mmHg, Pulse Within $\pm 3\%$
Cuff Type	Double cuff with automatic pressurization
Resolution	1 mmHg
Pressurizing Method	Automatic pressurization by DC-MOTOR
Method of exhaust	Micro-controlled electronic exhaust type
Pressurizing Time	Approx. 20 seconds per pressurization
Measuring Time	Approx. 50 seconds per measurement
Power Consumption	Input AC 100~240V, 50/60 Hz   Output DC 12V, 5A adaptor
Data Transmission	RS-232C, USB cable
Operating Range	Temperature 10~40°C (50°F~140°F), Humidity 30~75%
Storage Environment	Temperature -10~60°C (-50°F~140°F), Humidity lower than 95%
Dimension	530(W) x 481(D) x 319(H)mm
Weight	Approx. 26.5lb·12kg
Printer	High speed thermal printer
Function	Sensor for detecting arm - Left·Right Memory - Comparing previous and current results Safety function - Emergency stop button
Optional Equipment	Height adjustable chair, A4 result sheet, data management program
Result Contents	<b>Measuring one arm</b> Systolic Blood Pressure, Diastolic Blood Pressure, Mean Blood Pressure, Pulse, Pulse Wave Pattern, Evaluation of Blood Pressure <b>Measuring both arms</b> Systolic Blood Pressure, Diastolic Blood Pressure, Mean Blood Pressure, Pulse, Pulse Wave Pattern, Evaluation of Blood Pressure, Inter Arm Pressure Difference

※ For purpose of improvement, specifications and design are subject to change without notice.  
This is a medical device. Read precaution and operation method before use.



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