

Medical Diagnostic Device

ACCUNIQ BP850

Dual-Arm Blood Pressure Monitor

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



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.



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>Lt</p> <p>SYSTOLIC 125 mmHg</p> <p>DIASTOLIC 65 mmHg</p> <p>MEANPRESS 85 mmHg</p> <p>PULSE 78 bpm</p> <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>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</p> <p>Present 120/80 mmHg 65 dpm</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><td>SYSTOLIC</td><td>DIASTOLIC</td></tr> <tr><td>125 mmHg</td><td>65 mmHg</td></tr> </table> <table border="1"> <tr><td>MEANPRESS</td><td>PULSE</td></tr> <tr><td>85 mmHg</td><td>78 bpm</td></tr> </table> <p>Previous 120/80 mmHg 65 dpm</p> <p>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>Inter-arm Difference</p> <p>SYSTOLIC 14 mmHg</p> <p>DIASTOLIC 04 mmHg</p> <p>Refer to the results and consult to physician about specific medical information.</p>	<p>5</p> <p>2011 / 05 / 23 15:07</p> <p>Rt</p> <table border="1"> <tr><td>SYSTOLIC</td><td>DIASTOLIC</td></tr> <tr><td>125 mmHg</td><td>65 mmHg</td></tr> </table> <table border="1"> <tr><td>MEANPRESS</td><td>PULSE</td></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	<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>
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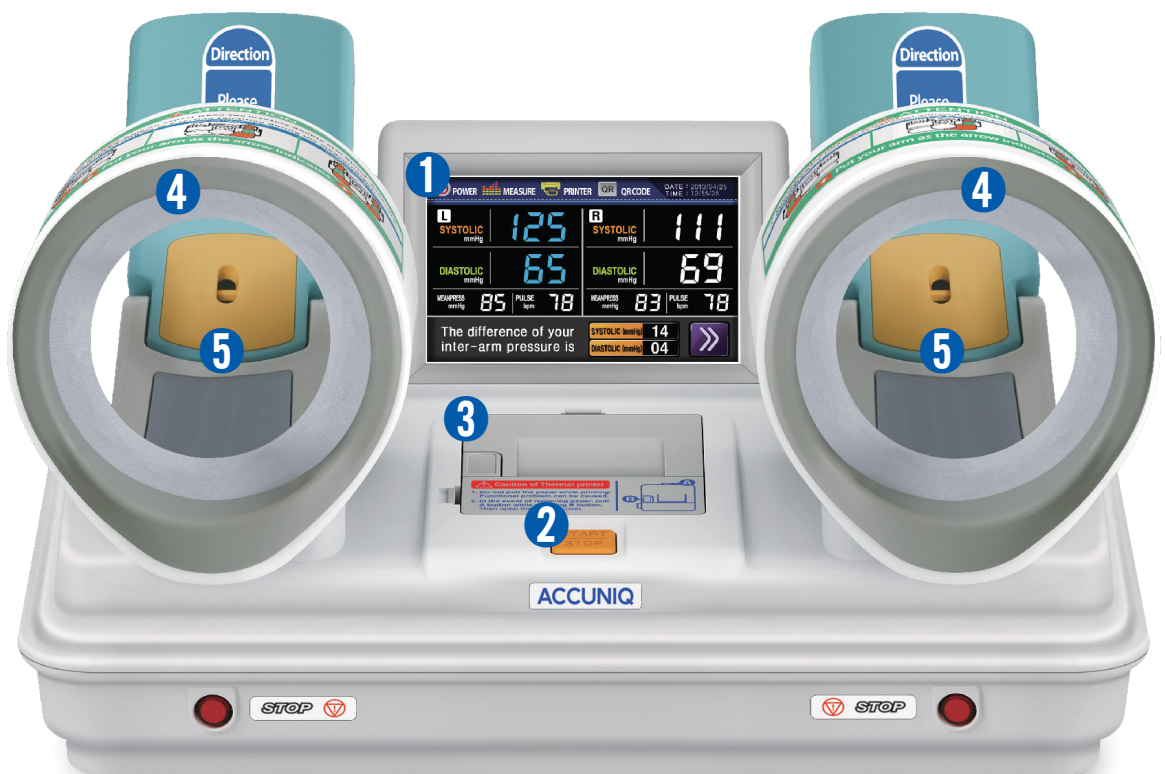
Features

- 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



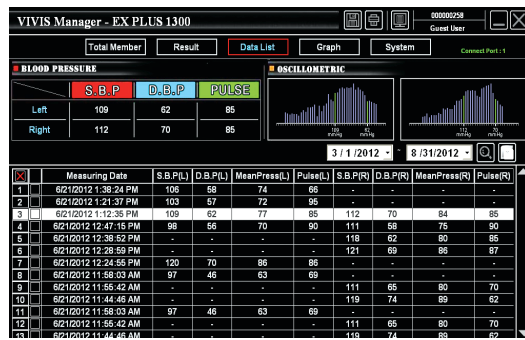
VIVIS Manager



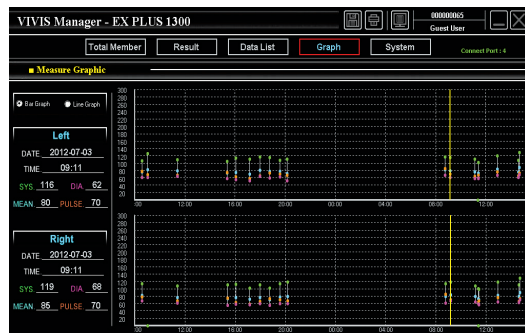
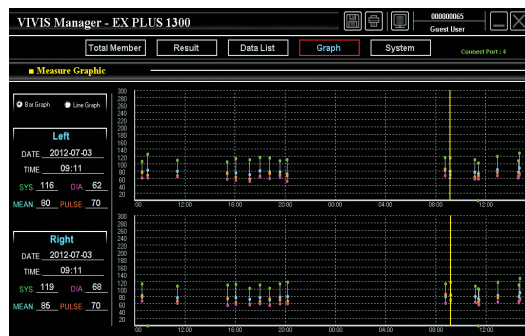
A4 Result Sheet



Adjustable chair



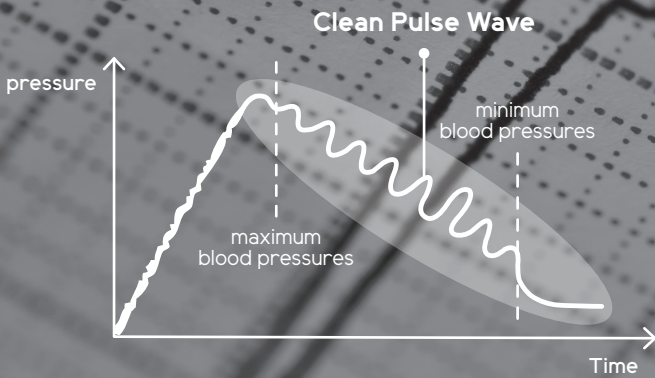
VIVIS Manager is a blood pressure data management program that helps you manage the analysis results and cumulative data.



+ Depressurizing Measurement Method

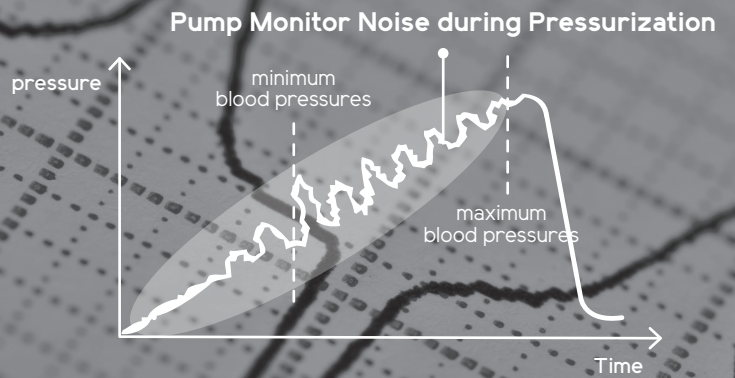
Consistent with over 120 years' sphygmomanometer history, ACCUNIQ Blood Pressure Monitor takes measurements of blood pressure as the cuffs are depressurized. This standard measurement method provides results that are quick and accurate.

ACCUNIQ's Depressurizing Measurement



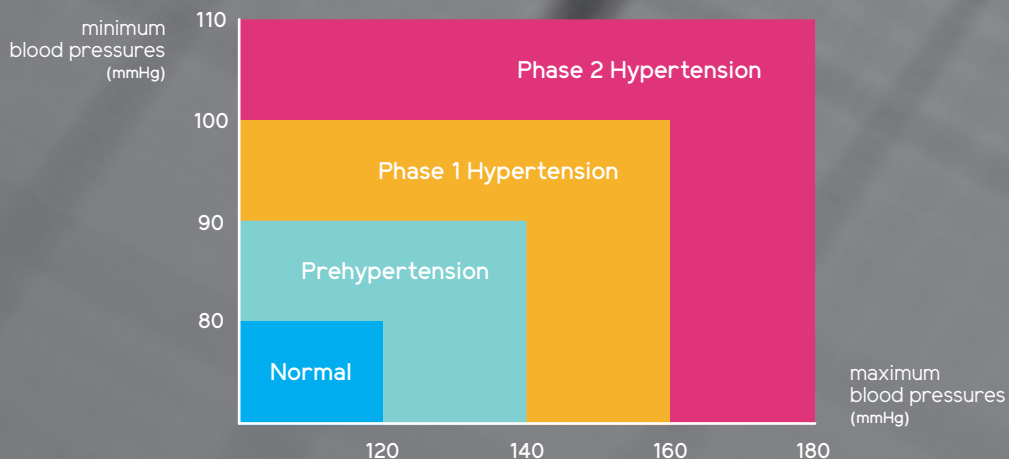
vs

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.

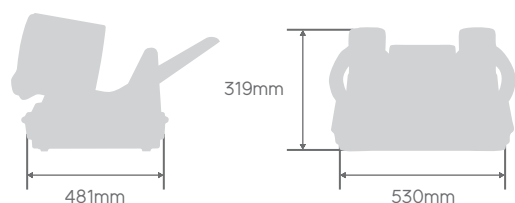
Q. Isn't it possible to take blood pressure from both arms one after another with a single-type sphygmomanometer?

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 ± 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	Measuring one arm Systolic Blood Pressure, Diastolic Blood Pressure, Mean Blood Pressure, Pulse, Pulse Wave Pattern, Evaluation of Blood Pressure Measuring both arms 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.



SELVAS Healthcare is Jawon Medical's new company name.

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