

Model: UAM-880

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Instruction Manual

Automatic Blood Pressure Monitor

Model #: UAM-880



Please keep this instruction manual in a safe place.

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Introduction

You have purchased a quality Zewa Blood Pressure Monitor. The material and components of this product have specially been designed for your device. The use of this device will be described in detail within the following pages.

Important Warning/Medical Disclaimer

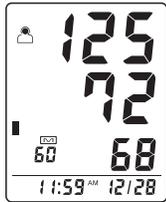
Before using your blood pressure monitor, you should read and understand all instructions and follow all warnings. Information in this manual is provided for informational purposes and this manual and product are not meant to be a substitution for the advice provided by your own physician or other medical professional. You should not use the information contained herein or this product for diagnosing or treating a health problem or disease, or prescribing any medication, if you have or suspect that you have a medical problem, promptly contact your healthcare provider. For specific information about your own blood pressure, including what measurement is considered normal for you, **CONSULT YOUR PHYSICIAN.**

Commonly Asked Questions About Blood Pressure



SYSTOLIC PRESSURE. When the heart contracts it sends blood out into the body. This pressure is referred to as systolic pressure.

DIASTOLIC PRESSURE. The pressure that is created, as the heart pulls blood back through is called diastolic pressure.



Blood pressure is recorded as systolic over diastolic, as shown here.

JNC7 Classification Table - for adults within the U. S.

BP Classification	Systolic (mmHg)	Diastolic (mmHg)	Classification bar
Stage 2 Hypertension	≥160	or ≥100	→ [Dark Gray Bar]
Stage 1 Hypertension	140-159	or 90-99	→ [Medium Gray Bar]
Prehypertension	120-139	or 80-89	→ [Light Gray Bar]
Normal	<120	and <80	→ [White Bar]

SOURCE: The Seventh Report of the Joint National Committee on Prevention, Evaluation and Treatment of High Blood Pressure for Adults, National Heart, Lung and Blood Institute - May 2003.

Commonly Asked Questions About Blood Pressure

Why Does My Blood Pressure Fluctuate?

Since blood pressure changes with every beat of the heart it is in constant fluctuation throughout any given day. In addition to these natural changes there are other factors that may affect blood pressure such as:

- Temperature (too hot or cold)
- Humidity
- Restlessness
- Lack of sleep
- Constipation
- Stress
- Fear
- Anger
- Anxiety
- Food and beverage consumption
- Individual physical conditions

In addition to these factors you should talk with your physician to see what may be affecting you.

How Do I Know I have High Blood Pressure?

It's nearly impossible to know if your blood pressure is elevated without having it checked. People have the common misconception that one can "feel" their blood pressure rise. It is because of this mystery that hypertension has been named "the silent killer".

Commonly Asked Questions About Blood Pressure

Don't let it sneak up on you! Start monitoring your blood pressure every day with your new Zewa blood pressure monitor.

Why Is Important To Control My Blood Pressure?

Left uncontrolled, hypertension may place an incredible amount of stress on your heart and arteries, both of which become forced to work harder to keep blood flowing in a healthy manner throughout the body. Over time, this stress may result in health problems including over enlargement of the heart, loss of elasticity of the arteries, heart disease, stroke and even death. Making some simple lifestyle changes now may help you stay healthy in the future.

Measurement Method

Zewa blood pressure monitors measure blood pressure and pulse by using what's called an *oscillometric* method, meaning they measure the fluctuations in pressure. This is done by first wrapping a fitted cuff around the upper arm (or wrist, depending on the model). The monitor then automatically fills the cuff with air creating pressure around the arteries inside of the arm (or wrist). Mounted inside of the cuff is a special gauge that is capable of sensing the small *oscillations* (fluctuations) in pressure. These fluctuations are produced as a result of the pressure the cuff has placed around the arm and are, in a basic sense, the arteries contracting (getting larger and smaller) with each heart beat. The monitor then measures how high and how quickly these contractions occur and converts that information into a digital value.

Intended Use Of a Blood Pressure Monitor

Zewa blood pressure monitors offer convenient home use. They are noninvasive, meaning no part of the monitor enters your body. It is used to measure systolic, diastolic and pulse measurements. Zewa monitors are recommended for use by people over the age of 18.

Special Features

PI SYSTEM™

Zewa's exclusive PI System™ (Personalized Inflation System) automatically determines the correct inflation pressure needed to take a blood pressure measurement. Personalized inflation results in a faster, more comfortable and more accurate reading.

Irregular Heartbeat Detection (IHB)

An irregular heartbeat may cause or indicate cardiovascular disease. Zewa blood pressure monitors feature advanced technology to alert the user if an irregular heartbeat is detected by displaying the IHB symbol on the display. **This is only a caution indication and not a diagnosis.** Please consult your physician if the IHB symbol is continuously displayed.

Note: Talking or moving while taking a measurement can give a false IHB indication.

Low Noise System

The low-noise, rolling motor pump allows this monitor to offer quiet inflation.

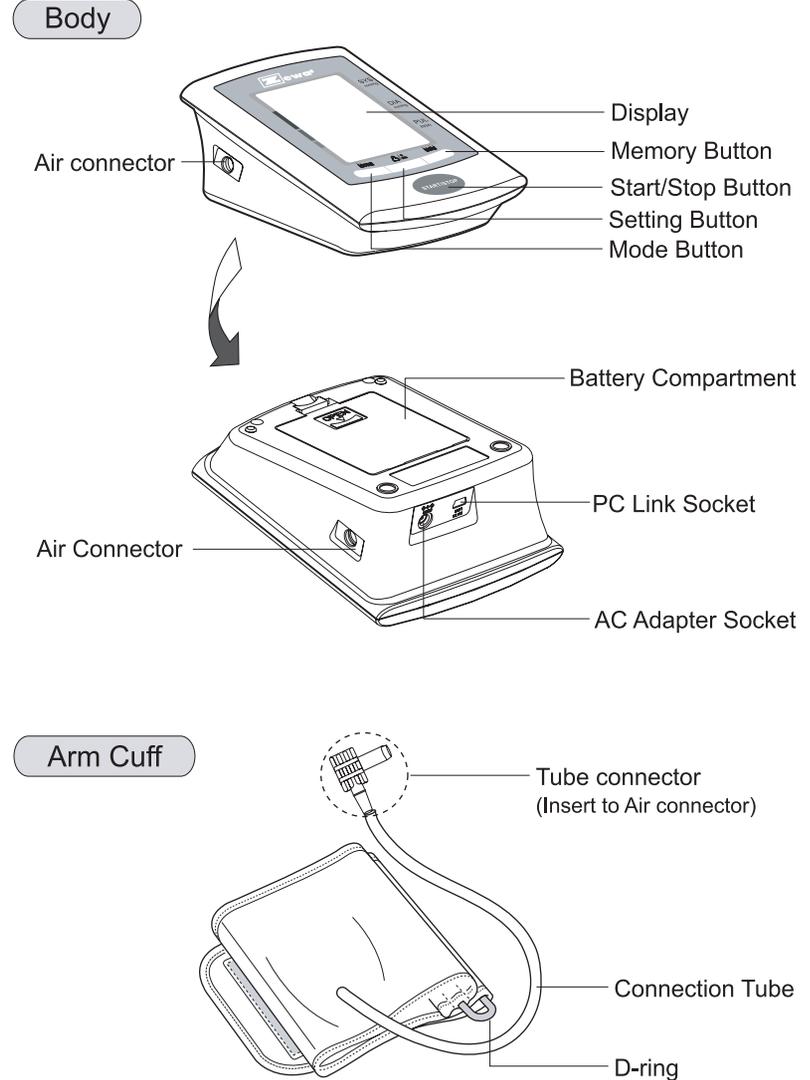
Memory Feature

Zewa's special memory feature allows the monitor to store up to 2 x 60 measurements. It also calculates the overall average, AM average and PM average for a quick and easy comparison.

Accuracy

Zewa monitors have been clinically tested against a scientific device called a sphygmomanometer, considered the standard in blood pressure measurement. All Zewa monitors have performed equivalent to measurements taken with this scientific device and are within the accuracy limits prescribed by the American National Standard for Electronic and Automated Sphygmomanometers.

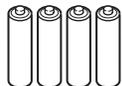
Part Identification



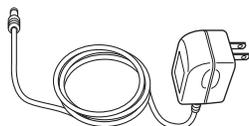
Part Identification

Power

- 4 AA Alkaline Batteries



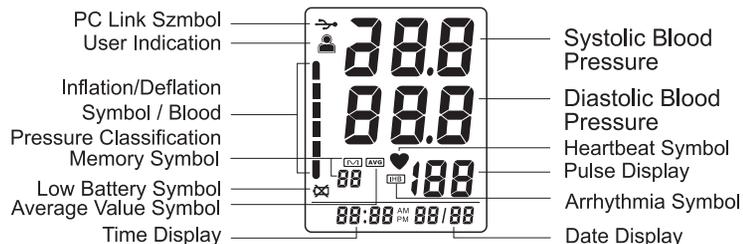
- AC Adapter (not included)



Storage Case

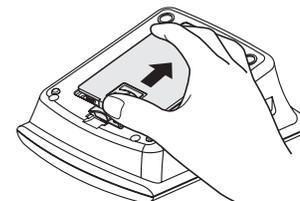


Display

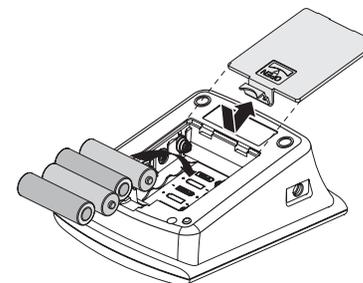


Battery Installation / Replacement

- 1 Remove the battery cover from the battery compartment.

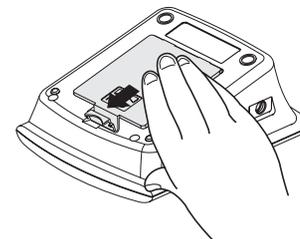


- 2 Insert 4 "AA" (1.5V Alkaline) type batteries with polarity as indicated. Do not use rechargeable batteries.



- 3 Replace the battery cover.

- ⚠ The battery cover is closed tight when you hear a clicking sound.



You need to replace the batteries when:

1. Low battery symbol appears on display
2. The Start/Stop button is pushed and nothing appears on display



1. Batteries are hazardous waste. Do not dispose them together with the household garbage.
2. Please remove the batteries when stored for a longer period of time. Leaving the batteries in the compartment for a long time may cause leakage, which may lead to damage of the unit.

Setting Year-Date-Time

1. After inserting the batteries for the first time, or after changing the batteries, follow these steps:

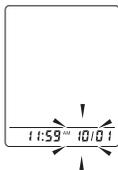
Insert the batteries and the year flashes on the display, use the MEM button to increase the year or / to decrease the year. Press the MODE button and continue with step 2.



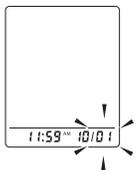
1.1 To change the year-date-time without changing the batteries follow these steps:

Press the MODE button and the year flashes, use the MEM button to increase the year or / to decrease the year. Press the MODE button and continue with step 2.

2. The month flashes, use the MEM button to increase the month or / to decrease the month. Press the MODE button and continue with step 3.



3. The day flashes, use the MEM button to increase the day or / to decrease the day. Press the MODE button and continue with step 4.

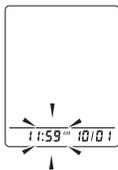


4. The hour flashes, use the MEM button to increase the hour or / to decrease the hour. Press the MODE button and continue with step 5.

Note: The time is in a 12-hour format (AM/PM will change automatically)



5. The minute flashes, use the MEM button to increase the minute or / to decrease the minute. Press the MODE button and a 0 is displayed indicating the programming has been saved. Press the START/STOP button to turn the device off.



Important Reminders

Follow your doctor's advice on how and when to take your blood pressure. Otherwise, here are some important hints:

Before taking a measurement

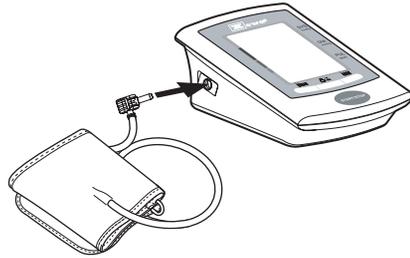
- ✓ Sit quietly for about 10 minutes. This will allow your body to return to its normal, resting state.
- ✓ Take your blood pressure in a comfortable environment - not too cold, not too hot as temperature may affect your measurement.
- ✓ Make sure you haven't just consumed any beverages containing caffeine such as coffee, non-herbal tea or cola. Also don't smoke just before taking a measurement. It's advisable to wait 30-45 minutes before taking a measurement.

While taking a measurement

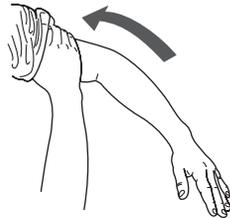
- ✓ Sit still and quietly while measuring. Talking or moving may elevate measurements.
- ✓ For consistency, it is recommended to measure your blood pressure using the same arm and at about the same time each day. If possible, we suggest using your left arm. You can set your alarm to remind you to take your blood pressure.
- ✓ When taking multiple measurements right after each other, make sure you wait at least 3 minutes in between. Waiting allows your blood vessels to return to their normal state.
- ✓ Sit your legs uncrossed and your feet flat on the floor. Do not touch the cuff or monitor at any time during the measurement. Relax.

Proper Use of the Arm Cuff

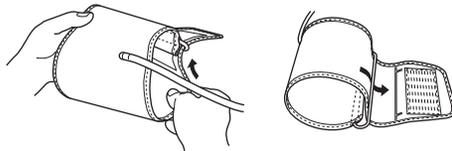
- 1** Plug the cuff connection tube into the main unit.



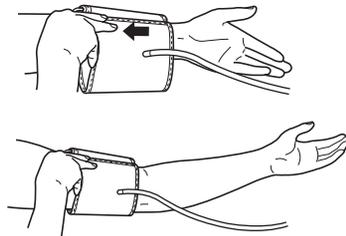
- 2** Remove all clothes from your upper arm allowing the cuff to fit directly on the skin.



- 3** Unwrap the arm cuff, leaving the end of the cuff through the D-ring of the cuff.

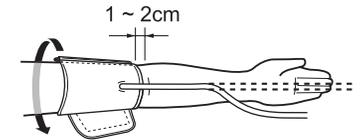


- 4** Put your arm through the loop, and pull it up to the position of your upper arm.

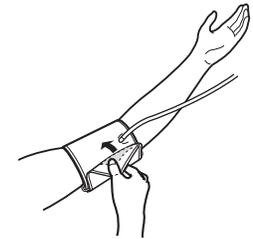


Proper Use of the Arm Cuff

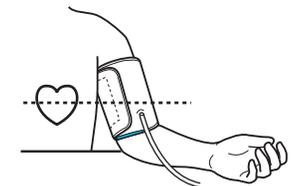
- 5** Position the cuff around your upper arm so that the lower edge of the cuff is about 1 inch (1-3 cm) above your elbow. The tube coming from the cuff runs down inside of your palm.



- 6** Tighten the cuff by pulling on the end of the cuff and attaching it to the fasteners on the other end of the cuff. Make sure you can not put more than 2 fingers in between your cuff and your arm, which could give you an error reading. If you can fit more than 2 fingers re-tighten the cuff.



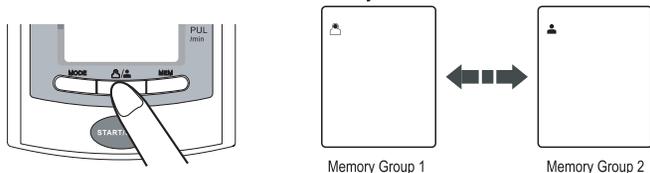
- 7** Put your arm on a table so that the cuff is about the same height as your heart and turn your palm slightly up. Relax.



Taking a Measurement

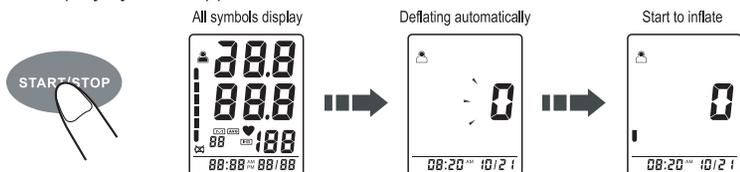
1 Selecting a Memory Group.

Before taking a measurement select your memory group by pushing the  button. Press the START/STOP button to save your selection



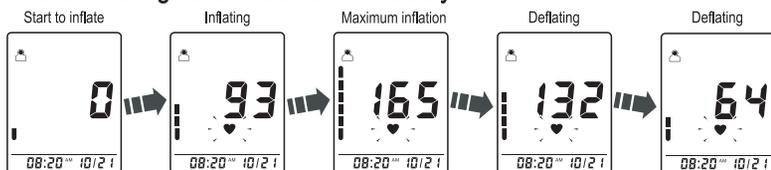
2 Press the START/STOP button.

All display symbols appear on the screen. The cuff starts to inflate automatically.



3 Inflation and measurement.

The unit will automatically start inflation until the optimum air pressure in the cuff is reached. The device may re-inflate automatically when the first inflation is not enough. **Note: In an emergency press the START/STOP button and the device starts releasing the air in the cuff immediately.**



4 Finalizing the measurement

After the monitor completes the measurement, it will automatically display your systolic, diastolic measurement and pulse rate.

5 Memory

The monitor will automatically store your readings.

6 Turn off the unit

The monitor will turn off automatically after 2 minutes. To turn it off manually push the START/STOP button.

Memory Recall

- This blood pressure monitor can store readings for 2 users (2 x 60 readings). Once the memory is full (60 readings in Group 1 or 2) it will automatically delete the oldest reading and replace it with the newest one.
- This monitor features Zewa's exclusive 3 x Average function. It automatically calculates the Average of all readings in each group as well as all AM Averages and PM Averages. When recalling the memory the averages are displayed in the following order:

1. The first reading displayed is the overall average, indicated by the "AVG" symbol on the display.



The average measurement value

2. The second reading displayed is the average of all AM readings, indicated by the "AVG" symbol and --AM--.



The average of all AM measurement value

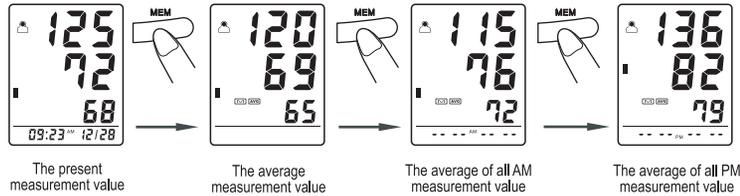
3. The third reading displayed is the average of all PM readings, indicated by the "AVG" symbol and --PM--.



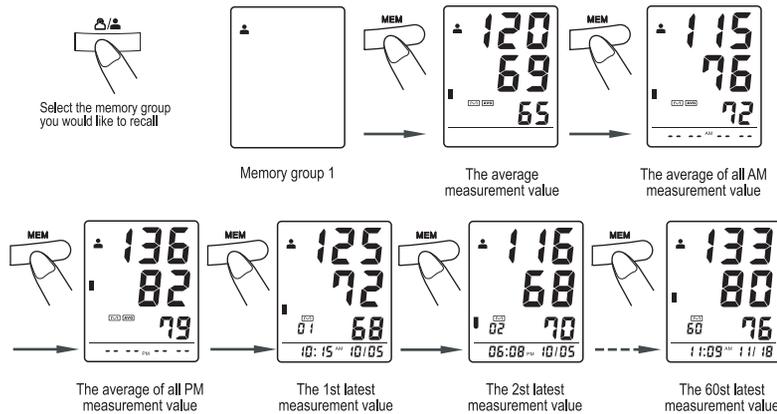
The average of all PM measurement value

Memory Recall

- How to recall the memory after taking a measurement (when the device was not turned off). At this point you can only recall the memory in the respective memory group you selected before taking a measurement:

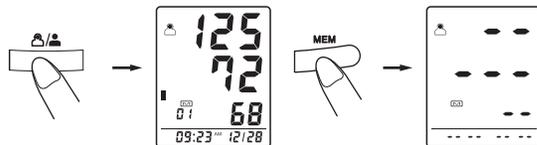


- How to recall the memory when the monitor was turned off:



Clearing Values from Memory

Press the to select your memory group. Press the MEM Button for a couple of seconds until the numbers disappear from the display. To delete all readings, repeat these steps for the other memory group.



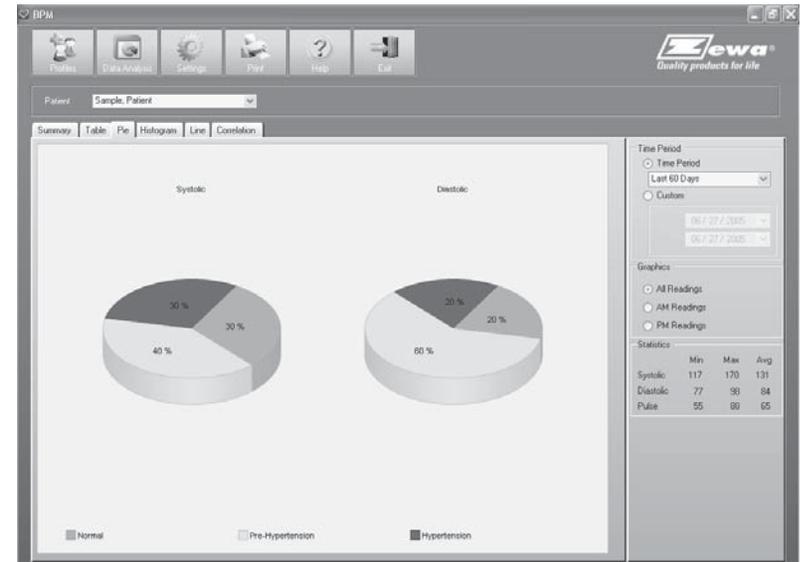
PC Link

This blood pressure monitor is PC Link ready. It features a USB connection, which allows data to be transferred from the monitor to a PC.

Once transferred Zewa's Software will automatically analyze blood pressure readings and create charts that can be printed or E-Mailed to a physician.

PC Software and USB transfer cable are available as an accessory. For more information please call Zewa Customer Service at 1-888-993-3592.

Some pharmacies will offer a free service to download this information for you, please contact your local pharmacist if this service is available in your area.



Error Indication

■ The Following error symbols appear in the display during measurement.

Symbol	Cause	Correction
	Inflation is not made appropriately while the motor works.	Check the cuff it is firmly connected to monitor.
		Check if the cuff is tight around your arm, re-tighten cuff if necessary.
		Check if the cuff is positioned correctly above your elbow, re-position if necessary. The measurement should be performed calmly.
	When the batteries are too weak.	Replace all of the batteries with new ones.
	Nothing appears on display after pushing the START button.	Replace ALL batteries. Check that the batteries are installed correctly (polarity).
	Measurement values appear too high or too low.	Measure your arm size and make sure your circumference is within the range indicated on the cuff. Check the placement of the cuff.

Cleaning & Maintenance

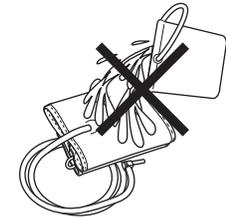
Care

- Keep the unit in the storage case when not in use.
- Clean the unit with a soft dry cloth. Do not use any abrasive or volatile cleaners.
- Never immerse the unit or any components in water.

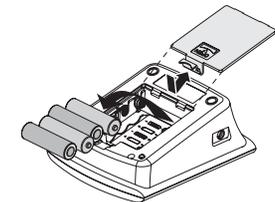


Maintenance

- Do not clean the body and cuff with naphtha, thinner or gasoline etc.
- Do not wet the cuff or attempt to clean the cuff with water.



- Store the unit in a clean and dry location. Do not subject the unit to extreme hot or cold temperature, humidity and direct sunlight.
- Remove the batteries if the unit will not be used for 3 months or longer. Always replace all of the batteries with new ones at the same time.



※ Use the unit consistent with the instructions provided in this manual. Use only authorized parts and accessories.

Specifications

Model No.		UAM-880
Display		LCD Digital Display
Measuring Principle		Oscillometric Method
Measurement Localization		Upper Arm
Measurement Range	Pressure	0 to 299 mmHg (0 ~ 39.9 kPa)
	Pulse	40 to 199 Pulses/min
Accuracy	Pressure	± 3 mmHg (0.4 kPa)
	Pulse	± 5% of reading
LCD Indication	Pressure	3 Digits Display of mmHg or kPa
	Pulse	3 Digits Display
	Symbol	Memory/Heartbeat/Low Battery/IHB, etc.
Inflation		Automatic by Internal Pump
Deflation		Automatic by Air Valve
Rapid Air Release		Automatic by Air Valve
Memory Function		120 (2×60) Readings
Power Source		D.C. 6V, 4 AA Alkaline Batteries or AC/DC Adapter
Automatic Power-Off		In 2 Minutes
Main Unit Weight		Approx. 300g (Batteries not included)
Cuff		Soft Arm Cuff
Accessorial Components		Cuff, Batteries, Instruction Manual, Warranty book, Tape measure, Cuff exchange card, Storage bag
Operating Environment	Temperature	10 ~ 40°C (50 ~ 104°F)
	Humidity	15 ~ 90%RH (Noncondensing)
	Barometric Pressure	105 ~ 80 kPa
Storage Environment	Temperature	-20 ~ 60°C (-4 ~ 140°F)
	Humidity	10 ~ 95%RH (Noncondensing)

Notes