Cofoe

Automatic Upper Arm Blood Pressure Monitor

User Manual

Catalogue

Preface

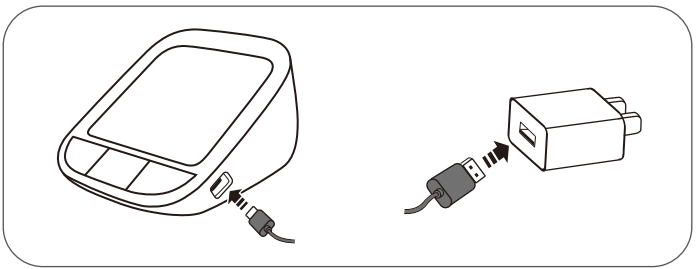
Thank you for choosing our company's Automatic Upper Arm Blood Pressure Monitor. To help you use it correctly, please read this manual carefully before use. After reading, please keep it properly for future reference. The illustrations in this manual are all for demonstration purposes.

The blood pressure monitor has been clinically investigated in accordance with the requirements of ISO 81060-2:2018 + AMD1:2020.

Only with correct measurement methods can accurate values be obtained. Please follow the procedure below to use this product:

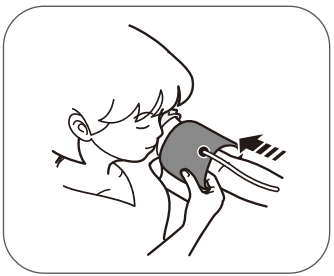
Connect the power supply

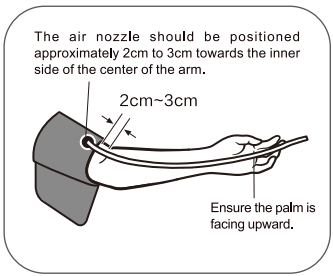
Use the external power supply that comes with the product (optional) to charge the product.



(Refer to the illustration above for a schematic diagram. For a detailed description, refer to Chapter 4.)

Measurement



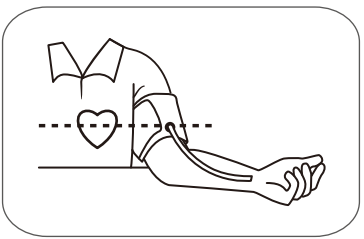


1. Method of Using the Cuff

Place the cuff on the arm. The lower edge of the cuff should be approximately 2cm to 3cm from the elbow joint, with the air nozzle positioned on the inner side of the arm (for a detailed description, refer to Chapter 5).

2. Correct Measurement Posture

Keep your body straight and ensure that the center of the cuff is at the same height as your heart (for a detailed description, refer to Chapter 5).



3. Measuring Blood Pressure

Sit quietly for 5 minutes before taking the measurement. Press the [Power] button to start the measurement (for a detailed description, refer to Chapter 7).

Checking Records

Press the [Memory] button to view the blood pressure measurement records. This product can display the last measurement result, the average value of the last three measurements, and up to 192 sets of measurement results for two users (for a detailed description, refer to Chapter 7).

I.Product Composition

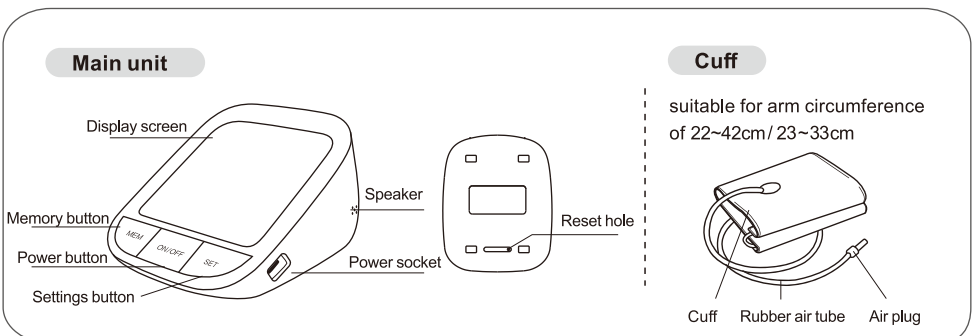
The product consists of a casing, air pump, electromagnetic valve, pressure sensor, PCB circuit board, display screen, cuff, lithium battery, data cable (optional), and adapter (optional).

Product Application:

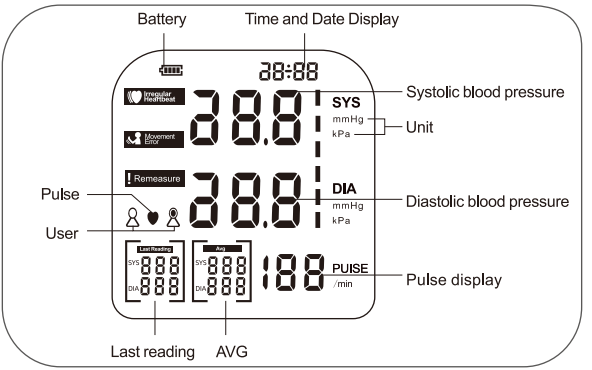
This product uses the oscillometric method to measure adult diastolic pressure, systolic pressure, and pulse, providing values for diagnostic reference.

Contraindications:

Not to be used by children or individuals with severe arrhythmias.



Display Screen Interface



Accessories List

Accessories Name
Cuff and Air Tube
User Manual
Cable

Ⅱ.Specification and parameters

Name： Electronic blood pressure monitor
Model NO： KF-66EP
Display method： Digital display mode
Measurement method： Oscillometric methodPressure detection
Working mode： Automatic inflation，automaticmeasurement
Device operation mode： Continuous working mode
Weight： About 335g(Without adapter)
Mainframe dimensions： 115mm*135mm*83mm
Arm Cuff： 23~33cm / 22~42cm
Pressure detection range： 0kPa~37.33kPa(0mmHg~280mmHg)
Cuff measure range： SYS:40mmHg~280mmHg，DIA:20mmHg~260mmHg
Pulse rate detectionrange： 40/min~199/min
Pressure indication error: ±3mmHg(±0.4kPa) or ±2%
Pulse rate detectionrange： ±5%
Over voltage protection： 37.33kPa(280mmHg)

III. Precautions

The warning symbols and illustrations shown in the manual are intended to enable you to use the product safely and correctly and to prevent injury to you and others. Warning signs, legends and their meanings are as follows.

Warning symbols	Content
⚠	There is a possibility of personal injury when using it incorrectly.

Illustrations					
	General prohibition		Prohibit disassemble		
	General coercion		BF type application parts		
	The safety and environmental protection life of this product is 10 years from the date of use. Consumable products are not included.				Indicates II types of equipment

⚠ Note	
• It is dangerous for patients to make self-judgment and self-treatment by measuring the results. Please be sure to accept the guidance of the doctor. • Patients with severe blood circulation disorders, blood diseases, please use under the guidance of doctors. acute internal bleeding may result from compression of the arm during measurement. • Be sure to use the special cuff supplied by the manufacturer. Otherwise it cannot be measured correctly.	
• Newborns, children, and those who cannot express their own thoughts are disabled. May be the cause of an accident or dispute.	

- This product is only used for the measurement of human blood pressure and pulse. For purposes other than measuring blood pressure and pulse, accidents may occur.
- The pressure of the cuff should be controlled below 280mmHg (37.3kPa). Otherwise, the arm may have symptoms such as congestion and numbness.
- Do not use this on mobile vehicles (planes, cars). Otherwise, it cannot be measured correctly.

- Do not disassemble or repair the blood pressure monitor body or arm cuff.

Suggestion

- If the pressure is not applied during the measurement process or the pressure does not stop, immediately turn off the main unit or pull out the cuff tubing plug and quickly vent.
- Please do not let the arm be inflated for a long time. When the airbag is in the state of persistent over-inflation, there is a risk of damage to the arm.
- Be sure to pay attention to the following points when measuring blood pressure, otherwise the blood pressure measurement may be inaccurate!

1. Do not eat, drink, drink coffee (black tea), smoke, exercise or bath for 30 minutes before the measurement. Please rest for at least 15 minutes.
2. Please measure in the correct posture with a quiet body, stable mood, and no urine.
3. Please do not speak or move your body during the measurement process.
4. Do not measure in an environment that is too cold, overheated, or subject to extreme conditions.

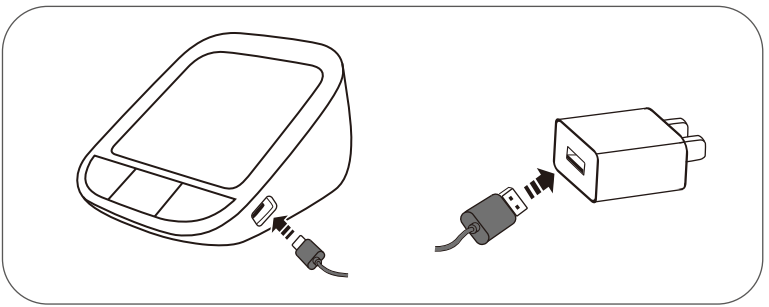
5. Avoid strong electromagnetic interference when measuring, such as mobile phones, microwave ovens, etc.

6. When a common arrhythmia (such as early morning, early morning, atrial fibrillation, etc.) occurs, the maximum value may be inaccurate or unmeasurable.

7. This product is only suitable for upper arm measurement and is not suitable for wrist and other parts measurement.

VI.Battery Charging

1.During use, if the lights up indicating that the battery is depleted, please use the external power adapter (optional) provided with the product to charge it.



2.During charging, the symbols " " and " " will cycle through, and when the battery symbol stops cycling and shows full, it indicates that charging is complete.

3.After charging, please promptly unplug the power adapter.

*** Power Source Warning**

①If the product does not come with an external power adapter, please use an adapter that meets GB9706.1-2020 standards, with a Type-C output data cable. The adapter output should support a voltage of 5V and a current greater than 600mA.

②Do not use the blood pressure monitor for measurement while charging.

③This device only supports a 10VA input power, does not support fast charging protocols, and does not support charging with a laptop adapter.

④The device uses the power plug as a disconnecting device from the mains power, so it should not be placed in locations where it is difficult to unplug the power plug.

*** Battery Warning**

①If a low battery warning appears during measurement, please charge the product in time. Only measure after charging is complete.

②If not used for a long time (more than 3 months), please charge the blood pressure monitor to extend the battery life.

③This product can operate approximately 150 times on a full charge. The built-in battery can be recharged about 300 times.

④Check the battery level before each use.

□Do not place the device with the battery near a fire source, as it may cause fire or explosion.

□Do not disassemble, replace, or crush the battery. Incorrect replacement may cause unacceptable risks and replacing the battery by untrained personnel may lead to fire or explosion.

V. Ready measurement

1. Arm cuff and air tube connection description:

①Insert the air tube socket into the left air tube socket of the body

②In order to make the plug more smooth, the method of edge rotation and edge plug can be adopted

2. Tie and Roll arm cuff instructions (see picture 1)

①Take off your coat, sweater, etc., and wear a thin coat or bare arm.

②Pass the end of the cuff through the iron ring, the air tube is facing outward, and the strap is tied to the upper side of the elbow 2-3 cm.

③Palms upward, air tube straighten and the middle finger in the same extension line, press nylon clasp, so that the arm cuff is tied firmly.

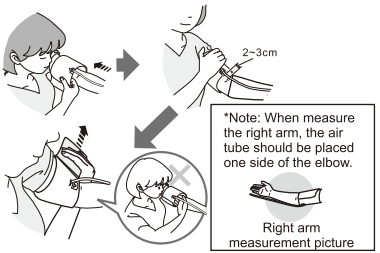
* Do not roll up the sleeves for measurement, the cuffs are in comfortable contact with the arms, similar to wearing tight clothing

* The left and right arms can be measured, and the blood pressure of the left and right arms may be different. Therefore, the blood pressure value may be different. It is recommended that you always use the same arm for measurement. If the measurements vary greatly between the two arms, use it under the guidance of your doctor.

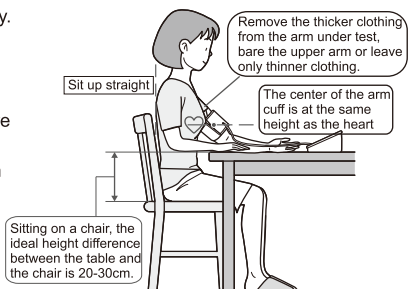
3. The correct measurement gesture(See picture 2)

①Sit on the chair, feet are placed on the floor flat

②Stand up straight, place your arms on the table, palm up, relax, and keep the center of the arm band flush with the heart.



Picture 1



Picture 2

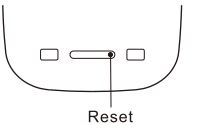
VI.Function Key Descriptions

1.Power (On/Off) Key

①In the off state, short press the Power key to enter automatic measurement mode.

②In the settings mode, short press the Power key to save settings and turn off.

③In other states, short press the Power key to turn off.



2.Settings Key

①In the off state, short press the Settings key to switch between user A and user B.

②In the memory query mode, short press the Settings key to view the next measurement record.

③In the off state, long press the Settings key for about 3 seconds to enter settings mode.

④In the settings mode, short press the Settings key to cycle through settings items (memory data, unit, date and time).

3.Memory Key

①During the initial pressurization process of the blood pressure monitor, short press the Memory key to display the current inflation level. Pressing the Memory key again increases the inflation pressure by 20mmHg (up to 280mmHg).

②In the off state, short press the Memory key to enter memory query mode and view the last measurement record and the average blood pressure of the last three measurements.

③In the memory query mode, short press the Memory key to view the previous measurement record.

④In the settings mode, short press the Memory key to change the setting item state (delete memory data, switch between mmHg and kPa, set date and time).

4.Reset

Insert a thin object into the reset hole at the bottom of the blood pressure monitor and press for 3 seconds to force a restart of the blood pressure monitor.

VII.Measurement, Measurement Results, Memory, and Query

1.Measurement

This product provides storage for 192 measurements for each of two users. The instructions explain the measurements as examples.

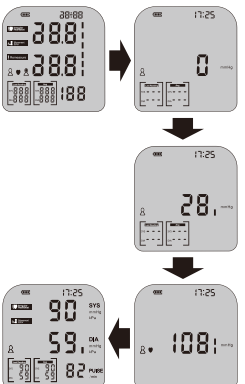
Measurement Process:

①Start the blood pressure monitor: short press the Power key, the monitor starts, backlight lights up, pressure returns to zero, and the LCD shows a pressure of 0. The monitor then automatically enters blood pressure test mode.

②Inflation process: starts automatic inflation, displays current cuff pressure, and the pressure rises to the predetermined value.

③Deflation and result display: automatic uniform deflation, blood pressure, and pulse detection, displays blood pressure value, opens the fast deflation valve, announces the current measurement results, and automatically saves the results. Remove the cuff.

④Turn off: after displaying the measurement results, you can manually short press the Power key to turn off. The device also has an automatic shut-off function that will turn off automatically if there is no operation within 2 minutes ± 0.5 minutes.



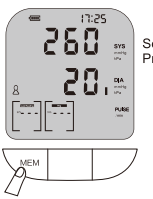
***Note:** During the entire measurement process, maintain a calm and stable emotion, do not speak, and do not move or shake your body or hand.

***Note:** Before taking the next blood pressure measurement, please rest quietly for 3 minutes. The resting time allows the arteries to return to the state before blood pressure measurement

Manual Inflation

During the inflation process, the cuff will increase pressure to 20-60mmHg after the pulse is no longer detected to improve user experience. If the predicted high-pressure value exceeds 220mmHg (29.3kPa) or if error E5 occurs, manual inflation should be used for measurement.

Cuff Pressure Value: During the inflation process, press the Memory key to display the current inflation level. Press the Memory key again to increase the inflation pressure by 20mmHg (up to 280mmHg). Set the inflation pressure value to be 30-40mmHg higher than the expected high-pressure value.



Set Inflation Pressure Value

***Note:** If discomfort or continuous inflation occurs during the measurement, immediately press the Power key to turn off the device or unplug the cuff air tube, and check whether it has caused long-term damage to blood circulation.

***Note:** The inflation limit of this product is 280mmHg (37.33kPa). Do not leave your arm in the inflated state for an extended period to avoid arm injury. Do not inflate to unnecessary pressures.

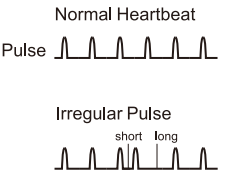
2.Measurement Results

①Measurement results are displayed as shown below. The results are automatically saved, with the serial number being 0. The previous result is stored as serial number 1, and so on.

②If a measurement error occurs (error E as shown below), please rest quietly for 3 minutes and then perform the measurement again according to the steps in Chapter 7

Movement Error Indicates body movement during the measurement, which may lead to incorrect measurement. Please remain quiet and remeasure.

Irregular Heartbeat Indicates irregular intervals of pulse waves during the measurement. Irregular pulse and unstable posture during the measurement will generate irregular pulse waves. If this symbol appears, it may lead to incorrect measurement. Please remain quiet and remeasure. If this symbol frequently appears even when you are at rest, please consult a doctor and do not interpret the results yourself.



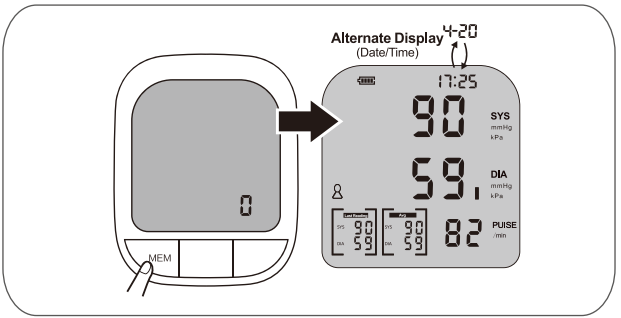
! Re-measure Indicates arm movement, irregular pulse, or measurement error during the measurement, which may lead to incorrect measurement. Please remain quiet and remeasure.

3.Memory and Query

This device stores 192 sets of measurement results for each of two users. If 192 sets are already saved, the oldest measurement result will be deleted when the 193rd set is saved.

①Before displaying the memory measurement results, the serial number will appear for about 1 second. The latest measurement result serial number is “1.”

②After obtaining the blood pressure measurement result, short press the Memory key to display the latest memory group. The previous measurement result and the average blood pressure of the last three measurements will be displayed at the bottom right of the screen. If there is a memory data of irregular heart rate during the memory query, it will show "Irregular Pulse.” Irregular Heartbeat



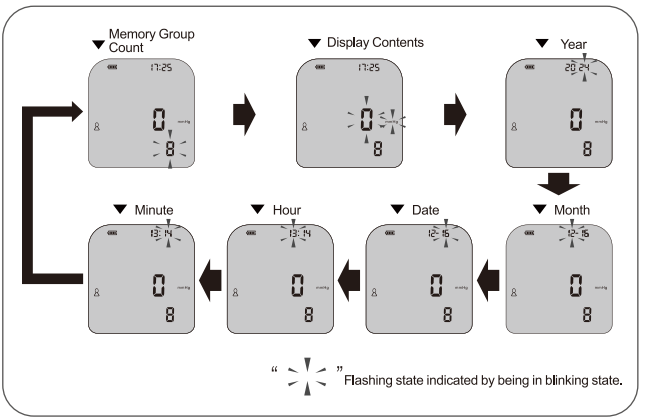
③In memory mode, short press the Memory key to query the previous memory, viewing from "1" to "192" sets of memory.

④In memory mode, short press the Settings key to query the next memory, viewing from "192" to "1" sets of memory.

VIII.Setting Memory Clearance, Display Units, Date & Time, User Switching

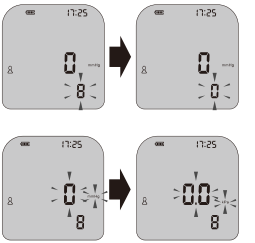
①In the off state, long press the Settings key for about 3 seconds to enter settings mode.

②In settings mode, short press the Settings key to switch settings items.



③**Memory Clearance Setting:** In step 2, adjust to (Memory Group Count) flashing, short press the Memory key to delete the memory. After deletion, the memory group position displays “0.”

***Note:** It is not possible to delete only some saved measurement results. To delete, all measurement results of the current user of the blood pressure monitor will be deleted.

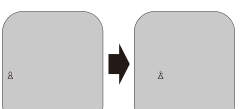


④**Display Units Setting:** In step 2, adjust to (Display Units) flashing, short press the Memory key to switch between "mmHg" and "kPa" as the blood pressure units.

⑤**Date and Time Setting:** In step 2, adjust to (Year) flashing, short press the Memory key to increase the value. Short press the Settings key to modify the year/month/day/hour/minute.

⑥**Save Settings Result:** Short press the Power key to confirm the settings and return to standby.

*This product can store up to 192 measurement results for each of two users. When the device is off, short press the [Settings] key to switch between the two users.



IX.Error Display and Common Troubleshooting

LCD Error Display and Corresponding Causes

Error Display	Phenomenon	Example	Handling Method
	Blank Battery	Insufficient battery power	Please connect the adapter for charging in time
E1	Unable to pressurize	Loose or disconnected air tube connector	Tighten the air tube connector
		Incorrect cuff wrapping method Cuff is too loose or detached	Correctly wrap the cuff
		Cuff leakage or damage	Replace with a new cuff. Please call customer service for advice
E4	Measurement failure	Inflation pressure does not exceed the expected high pressure value by 30mmHg	Remain quiet and remeasure. Manually inflate to meet inflation pressure requirements
		Movement or speaking during the measurementprocess prevents detection of sufficient heartbeats	Keep arm and body still and quiet, remeasure
		Did not remove outerwear, sweater, or other thick clothing, or rolled up sleeve compressing arm	Remove thick clothing, wear thin clothes or measure on bare arm, remeasure
E5	Exceeds 280mmHg	Air tube is bent or air tube connector is blocked during the measurement process	Straighten the air tube or clear the air tube connector, remeasure
		During the measurement process, the arm or body moved, or spoke, causing the cuff to inflate to the maximum but still not reach the required pressure for measurement	Keep arm and body still and quiet, remeasure
EE	No memory data	Memory data has been cleared or no measurement results saved	After completing the measurement, press the memory key to display stored memory data

Phenomenon

Abnormal Phenomenon	Causes	Handling Method
Unable to measure, reading is too low (or too high)	Cuff wrapping is incorrect	Correctly wrap the cuff
	Movement or speaking during measurement, cuff at different height from heart	Remain quiet and relaxed during measurement and maintain correct posture
	Clothing compresses the arm	Remove clothing compressing the arm
	Cuff is insufficiently pressurized	Carefully read the manual, rewrap the cuff, and measure again
Cuff pressure does not rise	Air tube connector is not securely connected	Ensure the air tube connector is securely connected
	Cuff leakage	Replace with a new cuff. Please call customer service for advice
	Cuff is too loose	Cuff is too tight
Cuff deflates too quickly	Cuff is too tight	Correctly wrap the cuff
Unable to power on	Battery power is depleted	Connect the adapter for charging in time
	Adapter is not functioning properly	Replace the adapter
Other faults	Press the [Power] key to remeasure If the problem persists, call customer service for advice	

X. Clean and Maintenance

Maintenance method:

①Please clean the blood pressure monitor if necessary

②Do not put the blood pressure monitor and cuff in the high temperature, humidity, full of water vapor or direct sunlight environment

③Do not tightly fold the cuff or air tube

④Do not remove the blood pressure monitor

⑤Do not allow the blood pressure monitor to be strongly impacted or vibrated, eg. by falling to the ground

⑥Do not clean the blood pressure monitor with corrosive liquids

⑦Clean the blood pressure monitor with a soft, dry cloth. If the product is particularly dirty, use a soft cloth dampened with water or a neutral detergent, screw it on and wipe it off. If necessary, wipe it with absorbent cotton with sterile alcohol

⑧Do not use gasoline, thinner or similar solvent to clean the cuff

⑨Clean the cuff with a soft damp cloth and soap

Environmental protection:

After reaching the end of life, please send it to the appropriate place to protect the environment.(Note: The disposal of waste and residue shall conform to the relevant laws and regulations of the state.)

Calibration and repair

①The accuracy of this blood pressure monitor has been strictly tested and is generally recommended to be checked and calibrated at least every two years to ensure normal function and accuracy of the blood pressure monitor. It is carried out by a laboratory with metering qualification, manufacturer or through a manufacturer-authorized special maintenance centre

②Do not carry out any maintenance by yourself. If the product has any quality problems or questions about the correct measurement of the blood pressure monitor, please call the service number for consultation

Storage

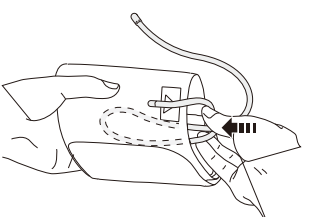
Keep the blood pressure monitor in the package box when not in use

①Unplug the air tube connector from the air tube socket

②Gently fold the air tube into the cuff. Do not fold the air tube forcibly

③Keep the cuff and body in the box

- Do not put the machine in a place where it is easy to splash
- High temperature, humidity, direct sunlight, dusty or corrosive gas
- It is easy to tilt, it will produce vibration and impact



XI. List of hazardous substance content

The name and content of toxic or hazardous substances or elements in the product

Part name	Toxic or harmful substances or elements					
	(Pb)	(Hg)	(Cd)	Cr(VI)	(PBB)	(PBDE)
Mounting substrate (including LCD)		○	○	○	○	○
Pressure control department		○	○	○	○	○
Battery	○	○	○	○	○	○
Shell	○	○	○	○	○	○
Cuff	○	○	○	○	○	○
Package material	○	○	○	○	○	○

○ : Means that the content of the toxic and harmful substances in all homogeneous materials of the component is below the limit specified in the GB/T 26572-2011 standard

X : indicates that the content of the toxic and hazardous substances at least in a homogeneous material of the component exceeds the limit specified in the GB/T 26572-2011 standard

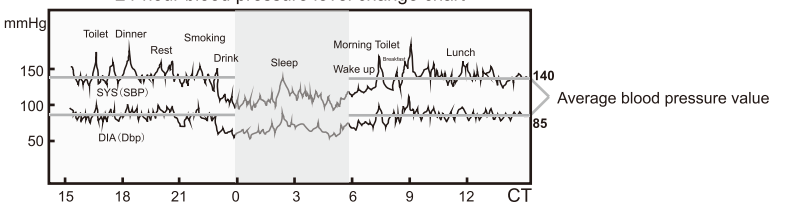
XII. Knowledge of blood pressure

Q **Why is the blood pressure value measured different each time?**

A Is it measured at the same time?

During the day, even if measured every 10 seconds, blood pressure will change.

24-hour blood pressure level change chart



For proper blood pressure management, please measure the blood pressure at the same time every day

A Blood pressure fluctuates for a variety of reasons

Even at home, the following measurements will change

*Within 1 hour after a meal
*After drinking alcohol, coffee and black tea
*After smoking
*After the bath
*After exercise
*After urination
*Talk during measurement
*When you are upset because of nervousness or anxiety
*When the room temperature suddenly changes
*Measuring site or environment is not the same as in the past

Q Does congestion occur during continuous measurement?

A During the measurement, the arm is pressed to force the blood flow to the fingertips to cause congestion. In the case of congestion, loosen the cuff, lift your hand over the top of the head, and repeat the grip and stretching of the palms 15 times or so to clear the congestion.

Q Why does the cuff roll tie the arm and feel pain and numbness?

A This is a temporary phenomenon. Don't worry about it. When measuring blood pressure, the cuff needs to be tightened to stop the flow of blood in the arteries temporarily, so the arm may feel some pain and numbness. When the cuff is removed, a little rest will ease the pain.

Q When is the best time to measure blood pressure?

A The best time to measure blood pressure is within an hour of getting up in the morning, or before going to bed at night

*If you take your morning measurement, do it within 1 hour of waking up, after urination, before breakfast (if you are taking blood pressure medication, before taking medication)

*If night measurements are recommended before bedtime.

*If it is other time, it is best to measure when the body and mood are in a stable state.

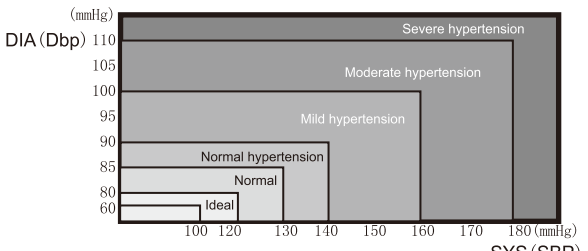
*It is also recommended to test in the same time period every day.

XIII. Blood pressure status

Classification criteria for blood pressure status:

The World Health Organization (WHO) and the International Society of High Pressure (ISH) have developed blood pressure classifications as shown in the following figure. This table is based on different ages, sitting in a chair in a hospital, and blood pressure on the side upper arm.

Hypotension is not defined, and artificial hypotension is generally considered to be less than 100 mmHg (13.3 kPa).



Blood pressure classification by reference to WHO/ISH (revised in 1999)

XIV. EMC statements

Electronic blood pressure monitor (arm type) meets the relevant requirements of YY0505-2012 standard electromagnetic compatibility.
The basic performance is: During the EMC test, the electronic blood pressure monitor (arm type) operates normally, and the pressure display in the measurement mode is normal.

⚠ Attentions:

- The user should install and use it according to the electromagnetic compatibility information provided by the accompanying documents.
- Portable and mobile radio frequency communication equipment may affect the performance of Electronic blood pressure monitor (arm type). Avoid strong electromagnetic interference when using it, such as close to mobile phones, microwave ovens, etc.;
- See the attachment for the guidelines and manufacturer's declaration.
- The minimum value of the patient's physiological signal is 40mmHg.

⚠ Warnings:

- The electronic blood pressure monitor (arm type) should not be used close to or stacked with other equipment. If it must be used close or stacked, then
- It should be observed to verify that it can operate normally under the configuration used.
- Except for the cables sold by the manufacturer of the electronic Blood pressure monitor (arm type) as spare parts for internal components, the use of accessories and cables other than those specified may result in increased emission or resistance to the emission of the electronic Blood pressure monitor (arm type). Reduction of interference.
- Ectronic Blood pressure monitor (arm typ e) is lower than the above-mentioned minimum assignment or the result of inaccurate operation.

The following table 1 to table 4 are related to electromagnetic compatibility of electronic Blood pressure monitor (arm type)

Table 1-Guidelines and manufacturer's declaration - Electromagnetic emissions

<table>
<tr><td colspan="3">Guidelines and manufacturer's declaration - Electromagnetic emissions</td></tr>
<tr><td colspan="3">The electronic blood pressure monitor (arm type) is expected to be used in the following electromagnetic environment. The purchaser or user should ensure that it is used in this electromagnetic environment:</td></tr>
<tr><td>Launch test</td><td>Conformity</td><td>Electromagnetic environment - guide</td></tr>
<tr><td>Radio frequency emission GB4824</td><td>Group 1</td><td>The electronic blood pressure monitor (arm type) uses RF energy only for its internal functions. Its radio frequency emission is very low, and the possibility of causing interference to nearby electronic equipment is very small.</td></tr>
<tr><td>Radio frequency emission GB4824</td><td>Type B</td><td rowspan="3">Electronic blood pressure monitor (arm type) is suitable for use in all facilities, including domestic facilities and directly connected to the public low-voltage power supply network of households.</td></tr>
<tr><td>Harmonic emission GB17625.1</td><td>Type A</td></tr>
<tr><td>Voltage fluctuation/ flicker emission GB17625.2</td><td>Conformity</td></tr>
</table>

Table 2-Guidelines and Manufacturer's Declaration - Electromagnetic Immunity

Guidelines and manufacturer's declaration - Electromagnetic immunity			
The electronic blood pressure monitor (arm type) is expected to be used in the following electromagnetic environment. The purchaser or user should ensure that it is used in this electromagnetic environment:			
Interference rejection test	IEC60601 test level	Coincidence level	A guide to electromagnetic environment
Electrostatic discharge GB/T17626.2	±6kV contact discharge ±8kV air discharge	±6kV contact discharge ±8kV air discharge	The floor should be wood, concrete or ceramic tiles. If the floor is covered with synthetic material, the relative humidity should be at least 30%.
Electrical fast transient pulse group GB/T17626.4	±2kV power cord ±1kV input/output line	±2kV power cord Not applicable	The network power supply should be of the quality used in a typical commercial or hospital environment.
Surge GB/T17626.5	±1kV line to line ±2kV line to ground	±1KV line to line Not applicable	The network power supply should be of the quality used in a typical commercial or hospital environment.
Voltage sag, short-term interruption and voltage change on the power input line GB/T17626.11	<5% U_T, for 0.5 weeks (on U_T, >95% dip) 40% U_T for 5 weeks (on U_T, a 60% dip) 70% U_T for 25 weeks (on U_T, 30% dip) <5%U_T, lasting 5S (upon U_T,>95% dip)	<5% U_T, for 0.5 weeks (on U_T, >95% dip) 40% U_T for 5 weeks (on U_T, a 60% dip) 70% U_T for 25 weeks (on U_T, 30% dip) <5%U_T, lasting 5S (upon U_T,>95% dip)	The network power supply should be of the quality used in a typical commercial or hospital environment. If users of OBM 786 electronic blood pressure monitor (arm type) need continuous operation during power interruption, it is recommended that OBM 786 electronic blood pressure monitor (arm type) use uninterruptible power supply or battery power supply.
Power frequency magnetic field (50/60Hz) GB/T17626.8	3A/m	3A/m,50Hz	The power frequency magnetic field should have the characteristics of the power frequency magnetic field level of a typical place in a typical commercial or hospital environment.
Note: U_T is the AC network voltage before the test voltage is applied.			

Table 3-Guidelines and Manufacturer's Declaration-Electromagnetic Immunity

Guidelines and Manufacturer's Declaration-Electromagnetic Immunity			
The electronic blood pressure monitor (arm type) is expected to be used in the following electromagnetic environment. The purchaser or user should ensure that it is used in this electromagnetic environment:			
Immunity test	IEC 60601 test level	Conformity level	A guide to electromagnetic environment
Radio frequency conduction GB/T17626.6 Radio frequency radiation GB/T17626.3	3V (effective value) 150KHz~8OMHz 3V/m 8OMHz~2.5GHz	3V (effective value) 3V/ m	Portable and mobile radio frequency communication equipment should not be used closer to any part of the electronic blood pressure monitor (arm type) than the recommended isolation distance, including cables. The distance is calculated by the formula corresponding to the transmitter frequency. Recommended isolation distance $d=1.2\sqrt{p}$ $d=1.2\sqrt{p}$ 80MHz~800MHz $d=2.3\sqrt{p}$ 800MHz~2.5GHz Where P—According to the maximum output rated power of the transmitter provided by the transmitter manufacturer, in watts (W); d——Recommended isolation distance, in meters (m). The field strength of the fixed radio frequency transmitter is determined by surveying the electromagnetic field, and it should be lower than the compliance level in the entire frequency range. Interference may occur in the vicinity of equipment marked with the following symbols. 
Note 1: At 80MHz and 800MHz frequency points, the higher frequency band formula is used. Note 2: These guidelines may not be suitable for all situations. Electromagnetic propagation is affected by absorption and reflection from buildings, objects and humans.			
a) Fixed transmitters, such as base stations of wireless (cellular/cordless) telephones and ground mobile radios, amateur radio, radio and FM radio broadcasting, and television broadcasting, etc., whose field strength cannot be accurately predicted in theory. In order to assess the electromagnetic environment of fixed radio frequency transmitters, the survey of electromagnetic fields should be considered. If the measured field strength of the electronic blood pressure monitor (arm type) is higher than the above applicable RF compliance level, the electronic blood pressure monitor (arm type) should be observed to verify that it can operate normally. If abnormal performance is observed, supplementary measures may be necessary, such as readjusting the direction or position of the electronic blood pressure monitor (arm type). b) In the entire frequency range of 150kHZ～80MHz, the field strength should be lower than 3V/m.			

Table 4-Recommended separation distance between portable and mobile radio frequency communication equipment and electronic blood pressure monitor (arm type)

Recommended separation distance between portable and mobile radio frequency communication equipment and electronic blood pressure monitor (arm type)			
The electronic blood pressure monitor (arm type) is expected to be used in an electromagnetic environment with controlled radio frequency radiation disturbance. According to the maximum rated output power of the communication device, the purchaser or user can prevent electromagnetic interference by maintaining the minimum distance between the portable and mobile radio frequency communication device (transmitter) and the Eelectronic blood pressure monitor (arm type) as recommended below.			
The maximum rated output power of the transmitter (W)	Corresponding to the isolation distance of the transmitter at different frequencies/m		
	150kHz～80MHz $d=1.2\sqrt{P}$	80MHz~800MHz $d=1.2\sqrt{P}$	800MHz~2.5GHz $d=2.3\sqrt{P}$
0.01	0.12	0.12	0.23
0.1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23
For the maximum rated output power of the transmitter not listed in the above table, the recommended isolation distance d, in meters (m), can be determined by the formula in the corresponding transmitter frequency column, where P is the emission provided by the transmitter manufacturer The maximum rated output power of the machine, in watts (W). Note 1: At 80MHz and 800MHz frequency points, the higher frequency band formula is used. Note 2: These guidelines may not be suitable for all situations. Electromagnetic propagation is affected by absorption and reflection from buildings, objects and human bodies.			

After-sales service card

Customer name		Phone No.	
Product model		Date of purchasing	
Product serial No.		Dealer seal	

Attentions:

1. From the date of purchase, the electronic blood pressure monitor can enjoy a two-year free warranty with the purchase invoice and warranty card. The consumable and vulnerable parts (including cuffs, panel, battery) are excluded.
2. The free warranty service will not be provided for failures caused by the following reasons:
- Failure caused by unauthorized disassembly or modification of the product;
- Failure caused by lack of reasonable maintenance;
- Failures caused by failure to follow the correct instructions in the instruction manual;
- Failures caused by improper repairs at unauthorized repair points.
3. Maintenance services outside the warranty range will be charged reasonably.
4. When requesting services, please contact the dealer.
5. During the warranty service, if necessary, we can provide product circuit diagrams and repairable component data to qualified technicians identified by us.

	Date	Contents
Service records		

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