

Cofoe

# Automatic Upper Arm Blood Pressure Monitor Instruction manual

Model: KF-65D



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Before using this product, read this manual carefully and save for further reference.

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## **Intended use**

The Cofoe KF-65D Automatic Upper Arm Blood Pressure Monitor is intended for the noninvasive measurement of blood pressure and pulse rate in adults.

## **Important safety information**

### **⚠ Contraindication**

- ① Patients with severe arrhythmia are prohibited from using this product.
- ② Children are prohibited from using this product.

### **⚠ Warning! Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.**

### **⚠ (General usage)**

- ① DO NOT adjust medication based on measurement results from this blood pressure monitor. Take medication as prescribed by your physician. Only a physician is qualified to diagnose and treat High Blood Pressure.
- ② This device is not intended to be a diagnostic device. Always consult your physician. Self-diagnosis of measurement results and self-treatment are dangerous.
- ③ Do not use the device on the injured arm or the arm under medial treatment.
- ④ Do not use the device in the case of flammable anesthetic gases mixed with air or flammable anesthetic gases mixed with oxygen or nitrous oxide.
- ⑤ Consult your physician before using the device for any of the following conditions:

## Introduction

Thank you for choosing Cofoe KF-65D Automatic Upper Arm Blood Pressure Monitor.

This instruction manual is intended to assist the user in safe and efficient operation of the Automatic Upper Arm Blood Pressure Monitor (KF-65D) . The device must be used accordance with the procedures described in the manual.

This device uses oscillometric method to measure the arterial blood pressure and pulse rate. The Arm cuff is wrapped around the Arm and automatically inflated by an air pump. The sensor of the device catches weak fluctuation of the pressure in the Arm cuff produced by extension and contraction of the artery of the Arm in response to each heartbeat. The amplitude of the pressure waves is measured, and is displayed by digital value. This device is easy-to-use and accuracy, will facilitate your daily blood pressure regimen.

- If you have had a mastectomy.
- Common arrhythmias such as atrial or ventricular premature beats or atrial fibrillation, arterial sclerosis, poor perfusion, diabetes, age, pregnancy, pre-eclampsia, renal diseases.
- People with severe blood flow problems or blood disorders as cuff inflation can cause bruising. Acute internal bleeding may be caused by compression of the arm during measurement.

⑥ Do not take measurements more than necessary. It may cause bruising due to blood flow interference.

⑦ Do not apply the arm cuff on the arm while being on an intravenous drip or blood transfusion.

⑧ Consult your physician before using the device on the arm with an arteriovenous (A-V) shunt.

⑨ Do not use the device in the area the HF surgical equipment, MRI, or CT scanner exists, or in the oxygen rich environment.

⑩ Do not use the device with other medical electrical (ME) equipment simultaneously.

⑪ The air tube or the Type-C cable may cause accidental strangulation in children.

⑫ Contains small parts that may cause a choking hazard if swallowed by children.

**⚠ Caution! Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury to the user or patient or damage to the equipment or other property.**

 **(General usage)**

- ① NOTE THAT PATIENT motion, trembling, shivering may affect the measurement reading.
- ② Remove the arm cuff if it does not start deflating during the measurement.
- ③ Each use time during measurement process is about 2-6 minutes. Remove the arm cuff immediately after the measurement is complete (the measurement results appear on the screen and the cuff is deflated).
- ④ Do not use this device on infants, children or persons who cannot express their intentions.
- ⑤ Do not use the device for any purpose other than measuring blood pressure.
- ⑥ Use only the special arm cuff provided by the manufacture for this device. Use of other arm cuffs may result in incorrect measurement results.
- ⑦ Do not use in a location with moisture, or a location where water may splash on the device. This may damage the device.
- ⑧ Do not use the device in a moving vehicle (car, airplane).
- ⑨ Precision components were used in the construction of this device. Extremes in temperature, humidity, direct sunlight, shock or dust should be avoided.
- ⑩ Avoid folding the cuff tightly or storing the tube tightly twisted for long periods, as such treatment may shorten the life of the components.
- ⑪ Measurements may be impaired if the device is used close to televisions, microwave

ovens, cellular telephones, X-ray or other devices with strong electrical fields. The device and cuff are not water resistant. Protect the device and cuff from rain, sweat and water.

⑫Used equipment, parts and batteries are not treated as ordinary household waste, and must be disposed of according to the applicable regulations.

⑬Please keep the pressure of the arm cuff under 280mmHg. Inflating to a higher pressure than necessary may result in bruising and numbness where the arm cuff is applied.

⑭Changes or modifications not approved by Cofoe will void the user warranty. Do not disassemble or attempt to repair the unit or components by yourself.

⑮Do not forcibly crease the arm cuff or the air tube excessively.

⑯Do not press the air tube while taking a measurement.

⑰Do not drop the device to strong shocks or vibrations.

⑱Do not inflate the arm cuff when it is not wrapped around your arm.

⑲Do not kink the connection air tube during measurement, otherwise the continuous cuff pressure may occur, and causing blood flow interference and harmful injury to the patient.

⑳Pressurization of the cuff can temporarily cause loss of function of simultaneously used monitoring equipment on the same limb.

㉑Need to check that operation of the device does not result in prolonged impairment of patient blood circulation.

㉒Do not use the device outside the specified environment. It may cause an inaccurate reading.

- ㉓ Dispose of the device, components and optional accessories according to applicable local regulations. Unlawful disposal may cause environmental pollution.
- ㉔ In case of pressure discomfort or pressure not to stop, immediately turn off the unit or pull out the tube plug and quickly deflate.
- ㉕ Avoid eating, drinking tea/caffeine/alcohol, exercising, bathing and smoking for 1 hour before taking a measurement. Rest for at least 15 minutes before taking the measurement.
- ㉖ Please measure it in the correct position with quiet, stable mood.
- ㉗ Please do not speak or move your body during measurement.
- ㉘ This product is only applicable to upper arm measurement and is not suitable for measurement of wrist and other parts.

#### **(Adapter with Type-C cable (not provided) Usage)**

- ① Do not use the Type-C cable and Adapter if the device or the cable is damaged. Turn off the power and unplug the power plug immediately.
- ② Plug the Adapter with Type-C cable into the appropriate voltage outlet. Do not use in a multi-outlet plug.
- ③ Never plug in or unplug the device from the electric outlet with wet hands.
- ④ Fully insert the power plug into the outlet.
- ⑤ When disconnecting the power plug from the outlet, do not pull the power cable. Be sure to pull from the power plug safely.
- ⑥ Unplug monitor when not in use.
- ⑦ Disconnect the power plug before cleaning.

⑧Cofoe do not provide the Type-C cable and adapter, the users are required to buy the adapter and Type-C cable which meet safety standards. Use of an adapter or Type-C cable which does not meet the requirements may damage and/or may be hazardous to the device and users.

#### **⚠ (Battery (not provided) Usage)**

①Do not insert the batteries with their polarities incorrectly aligned.

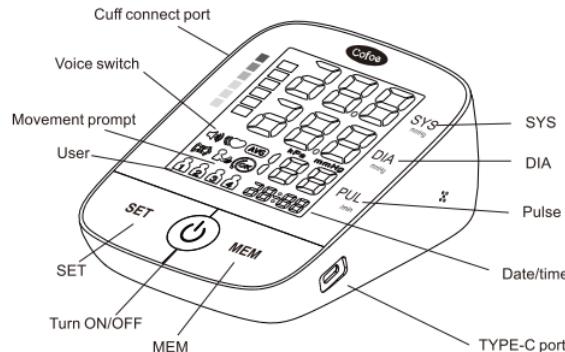
②Cofoe do not provide the batteries, the users are required to buy batteries which meet the requirement of IEC 60601-1 medical device electrical safety standards. Use only 4 "AA" alkaline batteries with this device. Do not use other types of batteries. Do not use new and used batteries together.

③Remove the batteries if the device will not be used for three months or more.

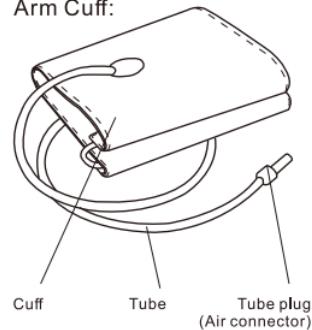
## Parts Identification

Contents: Monitor unit, arm cuff, instruction manual

Main body



Arm Cuff:

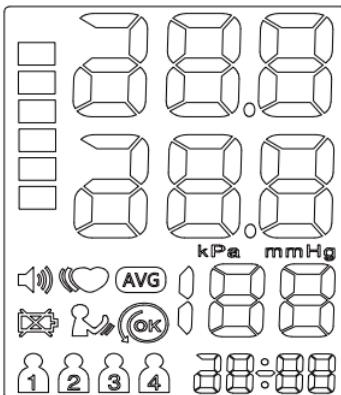


## Product Specifications

<b>Product name</b>	Automatic Upper Arm Blood Pressure Monitor
<b>Model</b>	KF-65D
<b>Work method</b>	Auto-inflation; Auto-measurement
<b>Measurement method</b>	Oscillometric method
<b>Display</b>	LCD Digital display
<b>Cuff pressure range</b>	0~280mmHg
<b>Pulse range</b>	40 ~ 199 beats / min
<b>Measurement range</b>	DIA: 40-260mmHg SYS: 40-260mmHg
<b>Over-pressure protection</b>	280mmHg
<b>Pressure indication error</b>	Pressure: $\pm 3$ mmHg
<b>Pressure measurement</b>	Pressure transducer
<b>Content</b>	Monitor unit, arm cuff, instruction manual

<b>Power source</b>	4 "AA" alkaline batteries* (DC1.5V*4) or optional adapter* with Type-C cable* * Do not provide, please buy it by yourself
<b>Monitor Unit Dimension</b>	107.6 * 139.5 * 61 mm
<b>Weight</b>	290g (excluding battery)
<b>Cuff circumference</b>	23 ~ 33cm ,or 22-42cm big cuff is optional
<b>Memory</b>	4 X 96
<b>Operating temperature/ humidity/air pressure</b>	+5 ~ +40°C / 15% ~ 85% RH / 86 ~ 106KPa
<b>Storage temperature/ humidity/air pressure</b>	-20 ~ +55°C / 15% ~ 93% RH / 86~ 106KPa
<b>Applied part</b>	 = Type BF
<b>Protection against electric shock</b>	Internally powered ME equipment (When using only the batteries*) <input type="checkbox"/> = Class II ME equipment (Adapter* with Type-C cable*) * Do not provide, please buy it by yourself
<b>Expected service life</b>	5 years
<b>Software version</b>	001

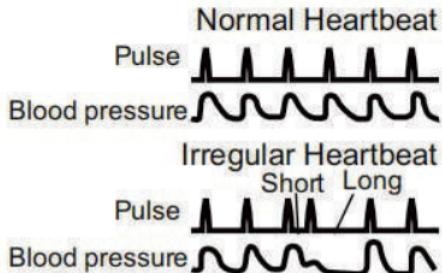
**Notes:**These specifications are subject to change without notice.



## Display symbols:

**Irregular heartbeat symbol:** When the unit detects an irregular rhythm during the measurement, the Irregular heartbeat symbol will appear on the display with the measurement values.

An irregular heartbeat rhythm is defined as a rhythm that is 25% less or 25% more than the average rhythm detected while the monitor is measuring the systolic and diastolic blood pressure.



## **Before Taking a Measurement**

**To help ensure an accurate reading, follow these directions:**

1. Avoid bathing, drinking alcohol or caffeine, smoking, exercising and eating for 1 hour before taking a measurement. Rest for at least 15 minutes before taking the measurement.
2. Stress raises blood pressure. Avoid taking measurements during stressful times.
3. Measurements should be taken in a quiet place.
4. Remove tight-fitting clothing from your arm.
5. Sit on a chair with your feet flat on the floor. Rest your arm on a table so that the arm cuff is at the same level as your heart.
6. Remain still and do not talk during the measurement.
7. Keep a record of your blood pressure and pulse readings for your physician.
8. A single measurement does not provide an accurate indication of your true blood pressure. You need to take and record several readings over a period of time. Try to measure your blood pressure at the same time each day for consistency.

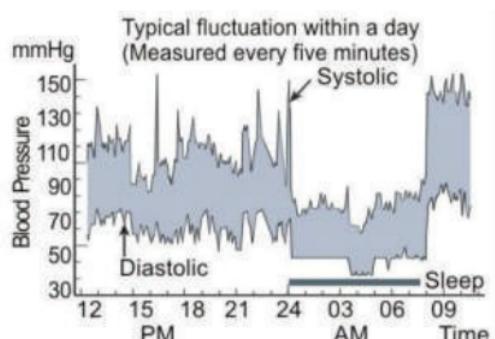
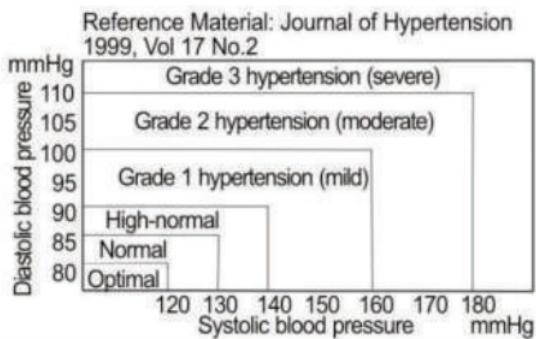
## **Preparation**

**Know the Display Information of Your Device:**

If the irregular heartbeat symbol displays with your measurement results, we recommend you consult your physician. Follow the directions of your physician.

**Movement error symbol:** The movement error symbol is displayed if you move your arm/body during the measurement. Please remove the arm cuff, wait a few minutes, and then take another measurement, remain still during measurement.

**Blood pressure level indicator:** The World Health Organization (WHO), the International Society for High Pressure (ISH) developed a blood pressure classification as shown below:

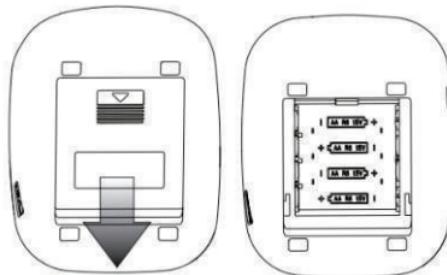


Please note that other risk factors (e.g. diabetes, obesity, smoking, etc.) need to be taken into consideration and may affect these figures. Consult with your physician for accurate assessment.

**Note:**

1. The graph is not exact, but may be used as a guide in understanding non-invasive blood pressure measurements. The device is only intended for use with adults.
2. Blood pressure measurements determined with this device are equivalent to those obtained by a trained observer using the cuff/stethoscope auscultatory method, within the limits prescribed by the American National Standard, Manual, electronic, or automated sphygmomanometers.

## Installation the Battery



Remove the battery cover and insert new batteries into the battery compartment as shown, taking care that the polarities (+) and (-) are observed. Cofoe do not provide the batteries, the users are required to buy batteries which meet safety standards. Use only 4 "AA" alkaline batteries with this device. Do not use other types of batteries. Do not use new and used batteries together.

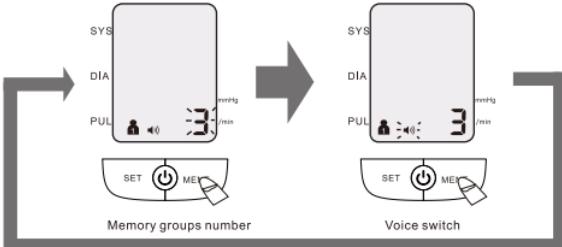
## Note:

- Insert the batteries as shown in the battery compartment. If not, the device will not work.
- When LOW BATTERY mark  appears on the display, turn the unit off, then replace all batteries with new ones at the same time. Do not mix old and new batteries. It may shorten the battery life, or cause the device to malfunction.
- The measurement values continue to be stored in memory even after the batteries are replaced.
- LOW BATTERY mark  does not appear after the batteries are drained.
- Remove the batteries if the device is not to be used for a long period of time (more than 3 months). Otherwise, the batteries may leak and cause a malfunction.
- Use the 4 "AA" alkaline batteries only. Cofoe do not provide the batteries, the users are required to buy batteries which meet safety standards.

## Memory Clear and User Switch Setting

1. Shutdown Press and hold **【▶】 SET** button (about 3 seconds) to turn on.
2. Press the **【▶】 SET** button to cycle through the following settings.

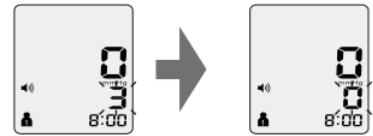
\*  indicates the flashing state.



### 3. Memory Clear:

When the Memory Group Number symbol is flashing (as described in Step 2), press the **【◀】 MEM** button to change the value to "0".

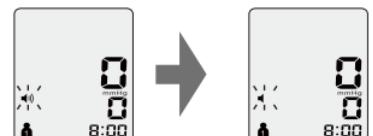
\*Partial saved data cannot be selected for deletion. If you need to clear the memory data, all the measurement results of this blood pressure monitor will be deleted.



Memory to remove

### 4. Voice On/Off Setting:

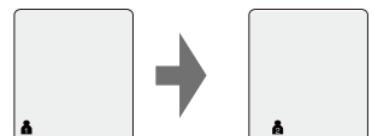
When the Voice On/Off Symbol is flashing (as described in Step 2), press the **【◀】 MEM** button to chose the On/Off of the voice.



Voice switch setting

### 5. User Switch Setting:

In the shutdown state press the **【▶】 SET** button, you can complete the 1, 2, 3, or 4 user switch.



User switching settings

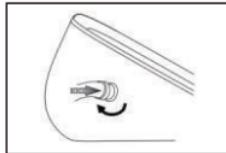
### 6. Save the setup result:

Press the (On/Off) button to turn off the unit and save the settings successfully.

## Measurement

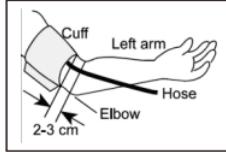
### 1. Cuff tube connection:

Remove tight-fitting clothing or tight rolled up sleeve from your left upper arm. Do not place the arm cuff over thick clothes. Insert the air connector plug into the Tube plug (air socket) firmly.



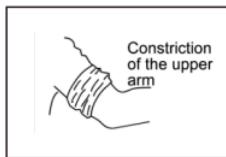
### 2. Attaching the arm cuff

- Take off the coat, sweater and other thick clothing, place the cuff directly against the skin, as clothing may cause a faint pulse, and result in a measurement error.
- Wrap the arm cuff around your left upper arm, about 2~3cm above the elbow, as shown.
- Palms up, the tube straightened and the middle finger in the same extension line, pressed nylon clasp, so that the cuff tied firmly.

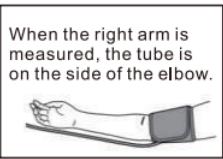


#### Note:

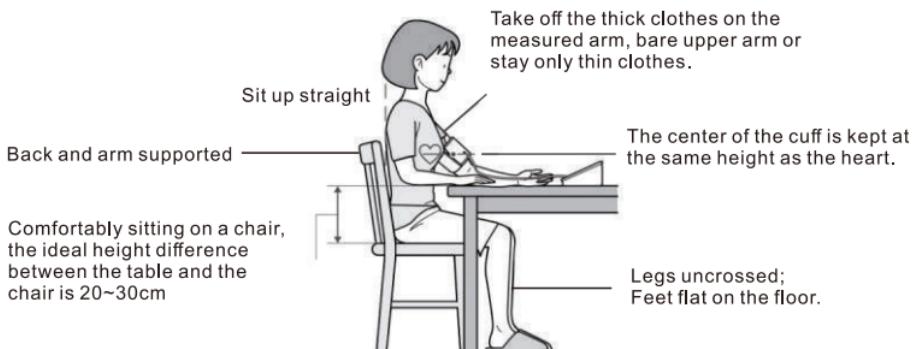
- The patient is an intended operator.
- Constriction of the upper arm, caused by rolling up a shirt sleeve, may prevent accurate readings. Do not roll up the sleeves to measure, and the cuffs are in good contact with the arms, similar to those wearing tights.
- Be careful not to rest your arm on the air tube.
- Left and right arm can be measured, left and right arm blood pressure may be different, so the recommended blood pressure values may also be different, it is recommended that you always use the same arm to measure.



- If the measured values of the two arms vary widely, use it under the guidance of a doctor.
- Do not attempt to repair the device or components by yourself. Please consult Customer Service.
- Do not service or maintain the equipment while it is in use.
- For the maintenance please refer to the “12. Maintenance and Storage”

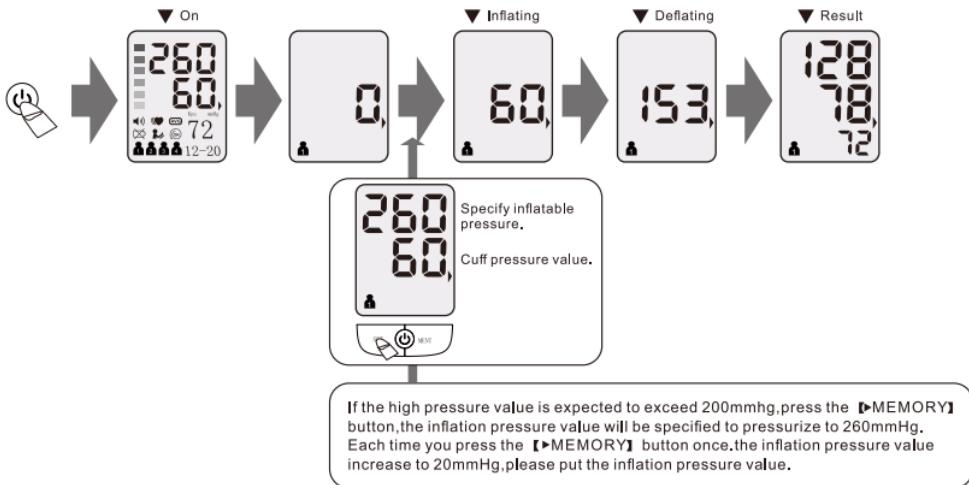


### 3. How to Sit Correctly



#### 4. Taking a Measuring

The unit can store 4 sets of measurement results (1, 2, 3, and 4) each group can store up to 96 groups.



#### Note:

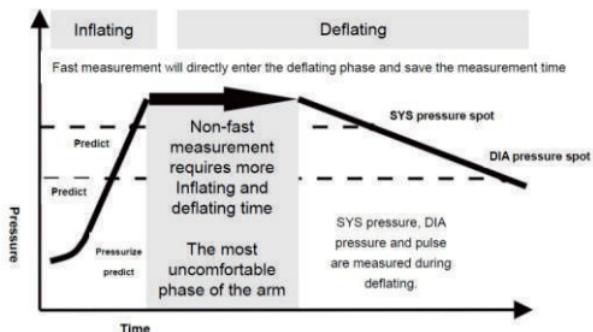
The monitor will not inflate above 280mmHg.

Inflating to a higher pressure than necessary may result in bruising where the arm cuff is applied.

#### 4.1 Press the ON/OFF button

##### Start measuring

Press the ON/OFF button, the device starts, the cuff starts to automatically pressurize (inflating). Pressurize to predetermined value, automatic uniform deflate, detect the blood pressure and pulse rate.



##### Fast measurement

This pressurize process of the blood pressure monitor could predict high and low pressure, shorten the measurement time, each user can quickly and easily measure.

**Note:** Before performing another blood pressure measurement, please rest quiet for 3 minutes, and the rest time allows the artery to return to the state between blood pressure measurement.

#### 4.2 Remove the cuff

#### 4.3 Press the ON/OFF button to turn off the unit

- The unit automatically saves the measurement results.
- The unit has an auto power off function, about 3 minutes without any operation will automatically shut down.

##### Note:

- \* Press the ON/OFF button to turn off the main unit or pull out the cuff tube immediately during the pressure is not applied or the pressure is not stopped.

## Measurement Results, memory and query

### Measurement results:

① The device could voice measurement result .

As shown in Picture 1:

High pressure: 128mmHg

Low pressure: 78mmHg

Pulse: 72 PUL/min.

Measurement results automatically saved. The serial number is 0, the previous result storage number is 1, followed by column push.

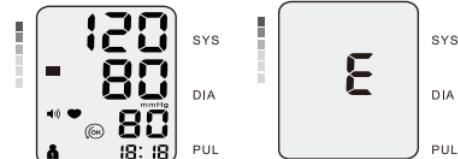
② When a measurement error occurs (the blood pressure monitor shows the error E as shown in Picture 2), please wait for 3 minutes after quiet rest. Follow the measurement procedure to re-measure.

### Memory:

- The unit can store 4 sets of measurement results, each set can store up to 96 group results. When saving the 97 result, the device will delete the oldest measurement result.
- Before displaying the measurement results, the serial number will appear for about 1 second. The latest group of measurement result is "0".

### Inquire:

- After measurement or in the state of shutdown, press the **【◀】 MEM** button (as shown on the right) to view the saved data.
- Press the **【◀】 MEM** button or the **【▶】 SET** button to cycle through the read memory data.



## Showing an error message

LCD error prompt and error cause correspondence table

Symbol	Cause	Solutions
	Low battery	Replace the new battery
	Cuff inflating is insufficient	Please read and repeat the steps listed in Measurement Section
	The tube plug (air connector) is disconnected	Plug the tube plug fitting
	During the measurement, arm/body movement and other interference	Keep the body quiet and re-measured
	Inflation pressure is no higher than the expected high pressure 30mmHg	Manual pressure to meet the needs of inflatable pressure
	Attaching the cuff incorrectly	Correctly attach the cuff
	Clothes oppression the arm	Take off the clothes, and then measure
	Cuff leaks	Replace a new cuff. Please call customer service
Symbol	phenomenon	Possible Causes
	Not pressurized	Attaching the cuff incorrectly. The cuff is not connected with the unit Cuff leaks
	Measurement failed	
	Pressure greater than 280mmHg	

## Troubleshooting

Anomalies	Cause	Solutions
The reading is too low (or too high)	Attaching the cuff incorrectly	Correctly attach the cuff
	Moves or speaks during the measurement process	Keep quiet during the measurement
	The clothes oppressed the arm	Take off the clothes that oppressed arm
Cuff pressure does not rise	The tube plug is not securely connected	Make sure the tube plug (air connector) is securely connected
	Cuff leaks	Replace a new cuff. Please call customer service
Cuffs exhausting air too fast	Cuffs are attach too tightly	Please attach the cuff correctly
Can not be measured, or the reading is too high or too low	Cuff inflating is insufficient	Please read and repeat the steps listed in Measurement Section.
Can not boot	The battery is run out.	Replace the new battery
	The battery is not installed correctly	Install the battery according to the manual

Other faults	<ul style="list-style-type: none"><li>➤ Press the On/Off key to re-measure</li><li>➤ If the problem persists, try replacing the new battery. In addition to this, if still unable to measure, please call the customer service telephone for consultation.</li></ul>
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## **Maintenance and Storage**

### **Maintenance:**

To protect your device from damage, please observe the following:

- ① Do not place the blood pressure monitor and cuff in a high temperature, moisture, water vapor, or direct sunlight.
- ② Do not tighten the cuff or air tube tightly.
- ③ Do not disassemble or attempt to repair the device or components. Changes or modification not approved by the manufacturer will void the user warranty. Consult Customer Service.
- ④ Do not let the blood pressure monitor be strongly impacted or shaken (e.g the blood pressure monitor falls on the ground).
- ⑤ Do not use a corrosive liquid to clean the blood pressure monitor.
- ⑥ Please use a soft dry cloth to clean the blood pressure monitor. If the unit is particularly dirty, you could use a soft cloth with water / neutral detergent, wring the cloth and wipe the unit. If necessary, gently wipe the surface of the unit with a absorbent cotton disinfection with alcohol.
- ⑦ Do not use gasoline, thinner or similar solvents to clean the cuff.

- ⑧Please use a soft damp cloth and soap to clean the cuff.
- ⑨When cleaning the equipment, please be careful not to pour the liquid on the device to make sure that no liquid can enter the inside of the device.

#### **Environment protection:**

After the product reaches the end of its life, please send it to the right place to protect the environment.

(Note: on the waste, residue should be consistent with the corresponding national laws and regulations.)

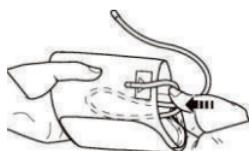
#### **Calibration and repair:**

- ①The accuracy of this device has been rigorously tested and it is generally recommended that the blood pressure monitor be inspected and calibrated at least every two years to ensure that the function is normal and accurate. The inspection and calibration should be implemented by a laboratory, manufacturer or the maintenance center authorized by manufacturer.
- ②Do not attempt to repair the device or components by yourself. Please consult Customer Service.

#### **Storage**

When not in use, please put it in the box

- ①Unplug the tubing connector from the tracheal socket
- ②Keep the tube gently in the cuff and be careful not to fold the tube
- ③Place the unit and cuff in the box, and store them in a clean and safe location



④ Do not place the unit where it is :

- Easy to splash water
- High temperature, humidity, direct sunlight, dust or near corrosive gas
- Easy to tilt, produce vibration and impact.

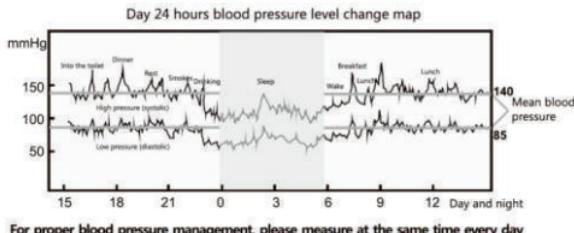
### Components does not Provided: Batteries & Adapter (including Type-C cable) Using the Adapter with Type-C cable:

- ① The power interface of the device is a Type-C type power supply interface.
- ② Insert the adapter with a Type-C cable into the power interface of the monitor.
- ③ Plug the adapter with a Type-C cable into an electrical outlet.
- ④ To disconnect the Adapter, unplug the Adapter from the electrical outlet first, and then remove the Type-C cable and Adapter form the monitor unit.
- ⑤ Our company does not provide the adapter and Type-C cable; the users are required to buy adapter and Type-C cable which meet safety requirements by themselves. Use of an adapter or Type-C cable which does not meet the requirements may damage and/or may be hazardous to the device and users.

### Small blood pressure knowledge

Q Why is the blood pressure measured every time the different

A Is it measured at the same time?  
One day, even if measured every 10 seconds, blood pressure will change.



**A** Blood pressure will fluctuate due to various causes, the following situations will lead to changes in the measurements results.

- \* Within 1 hour after a meal
- \* After smoking
- \* After the movement
- \* Measure during the conversation
- \* Sudden changes in room temperature.
- \* After drinking alcohol / coffee / tea.
- \* After bathing
- \* After urination or defecation
- \* Measure when the user is nervous, upset, or irritable.
- \* The measurement place or the environment is different from the past.

**A** Whether it caused congestion during continuous measurement.

Measurements due to the oppression of the arm forced the blood flow at the fingertips caused poor blood circulation. When there is a congestion, release the cuff, raise the hand over your head, squeeze and stretch your palm 15 times, you can clear the congestion.

**Q** Why is the arm with cuff feel pain and numb?

**A** This is a temporary phenomenon, do not worry.

When measuring blood pressure, the blood flow to the cuffs to the arteries is temporarily stopped, so it may feel pain and numb. After taking off the cuff, take a rest and the symptoms will be relieved.

**Q** When is the best time to measure blood pressure?

**A** The best time to measure blood pressure is 1 hour after getting up in the morning, or before going to bed at night

\* If you measure in the morning, please do it after 1 hour of getting up, after urination, before breakfast (if you are taking anti-hypertensive medicines, please measure before taking the medicine).

- \* If you measured blood pressure at night, please do it before going to bed.
- \* If you measured blood pressure at other time, please do it when the body and mood are in a stable state.
- \* It is also recommended that measurements be made daily for the same time period.

## **Electromagnetic compatibility instructions**

- Automatic Upper Arm Blood Pressure Monitor meets the requirement of electromagnetic compatibility in IEC60601-1-2.
- The Automatic Upper Arm Blood Pressure Monitor (KF-65D) is suitable for home healthcare environments.
- The user needs to install and use according to electromagnetism compatibility information which is attached with it.
- Guidance and manufacture's declaration stated in the appendix A.

**⚠ Warning:** Don't near active HF surgical equipment and the RF shielded room of an ME system for magnetic resonance imaging, where the intensity of EM disturbances is high.

**⚠ Warning:** Use of this Automatic Upper Arm Blood Pressure Monitor (KF-65D) adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, the equipment and the other equipment should be observed to verify that they are operating normally.

**⚠ Warning:** Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.

**⚠ Warning:** Portable RF communications equipment may influence performance, it should be used no closer than 30 cm (12 inches) to any part of Automatic Upper Arm Blood Pressure Monitor (KF-65D). Otherwise, degradation of the performance of this equipment could result.

## The paraphrase of graphic symbol

Label	Explanation	Label	Explanation
	Batch code		Caution
	Manufacturer		Authorized representative in the European Community
	CE mark		Date of manufacture
	This way up		Keep away from sunlight
	Type BF applied part		Keep dry
	Direct current		"WEEE (Waste Electrical and Electronic Equipment)". The waste products should be handled legally.
	Class II equipment		Refer to instruction manual
	Heartbeat symbol		Movement symbol
	Low power symbol		Handle with care
	User 1, User 2, User 3, User 4		

## **Warranty**

(1) The Automatic Upper Arm Blood Pressure Monitor is warranted from manufacturing defects for 2 years from date of retail purchase. (Except for consumables, such as cuff, display screen, etc.)

(2) The free repair service does not cover the damages resulting from personal reasons listed as below:

- a) Damages resulting from unauthorized adjustment and repair.
- b) Damages resulting from improper repair of unauthorized maintenance/repair shops.
- c) Damages resulting from inappropriate maintenance.
- d) Damages resulting from misuse by not following guidelines of this manual.

(3) Maintenance services outside the warranty scope will be reasonably charged.

(4) When apply for free repair service, please hold the Warranty card and purchase proof of purchase date, and contact the distributor.

(5) If necessary, manufacturer could provide circuit diagrams, component part lists, descriptions, calibration instructions to assist to service personnel in parts repair.

(6) Warranty Card

Customer name		Telephone number:	
Product model		Purchasing date:	
LOT No.		Sealed by distributor	

Manufacturer: Cofoe Medical Technology Co.,Ltd.

Manufacturer address: No. 87, Section 1 of Huanbao East Road, Yuhua District, 410000 Changsha, Hunan,

PEOPLE' S REPUBLIC OF CHINA

Contact number: +86 0731 89905492

## Appendix A. EMC Information

<b>Guidance and manufacturer's declaration – electromagnetic emissions</b>	
<b>Emission Test</b>	<b>Compliance</b>
RF emissions CISPR 11	Group 1
RF emissions CISPR 11	Class B
Harmonic emissions IEC 61000-3-2	Not application
Voltage fluctuations/flicker emissions IEC 61000-3-3	Not application

<b>Guidance and manufacturer's declaration – electromagnetic immunity</b>		
<b>Immunity Test</b>	<b>IEC 60601-1-2 Test level</b>	<b>Compliance level</b>
Electrostatic discharge (ESD) IEC 61000-4-2	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air
Electrical fast transient/burst IEC 61000-4-4	Not application	Not application
Surge IEC 61000-4-5	Not application	Not application
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	Not application	Not application
Power frequency magnetic field IEC 61000-4-8	30 A/m 50Hz/60Hz	30 A/m 50Hz/60Hz
Conducted RF IEC61000-4-6	Not application	Not application
Radiated RF IEC61000-4-3	10 V/m 80 MHz – 2,7 GHz 80 % AM at 1 kHz	10 V/m 80 MHz – 2,7 GHz 80 % AM at 1 kHz
NOTE $U_T$ is the a.c. mains voltage prior to application of the test level.		

## **Guidance and manufacturer's declaration – electromagnetic immunity**

Radiated RF IEC61000-4-3

(Test specifications for ENCLOSURE PORT IMMUNITY toRF wireless communications equipment)

<b>Test Frequency (MHz)</b>	<b>Band (MHz)</b>	<b>Service</b>	<b>Modulation</b>	<b>Modulation (W)</b>	<b>Distance (m)</b>	<b>Immunity Test level (V/m)</b>
385	380 – 390	TETRA 400	Pulse modulation 18 Hz	1,8	0.3	27
450	430 – 470	GMRS 460, FRS 460	FM $\pm$ 5 kHz deviation 1 kHz sine	2	0.3	28
710	704 – 787	LTE Band 13,17	Pulse modulation 217 Hz	0,2	0.3	9
745						
780						
810	800 – 960	GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE Band 5	Pulse modulation 18 Hz	2	0.3	28
870						
930						

1720	1700 – 1990	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1,3, 4,25; UMTS	Pulse modulation 217 Hz	2	0.3	28
1845						
1970						
2450	2400 – 2570	Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7	Pulse modulation 217 Hz	2	0.3	28
5240	5100 – 5800	WLAN 802.11 a/n	Pulse modulation 217 Hz	0,2	0.3	9
5500						
5785						

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