

## History Revision

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# Operation Guide (V1.0)

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Monitor

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## MODEL KD-752

### Wireless Blood Pressure Monitor

(ELECTRONIC SPHYGMOMANOMETER)

## OPERATION GUIDE

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## IMPORTANT INFORMATION

### NORMAL BLOOD PRESSURE FLUCTUATION

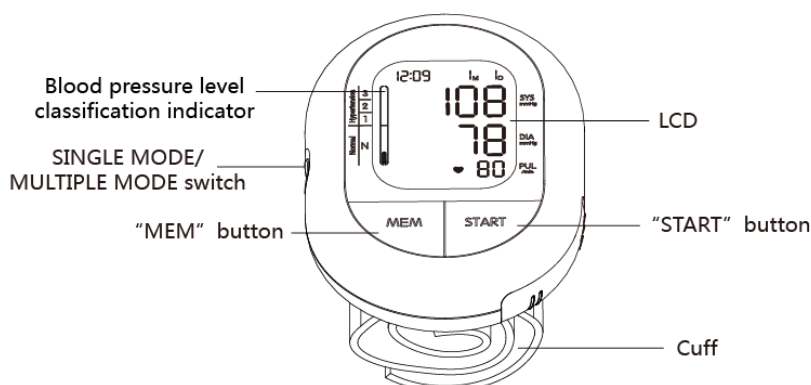
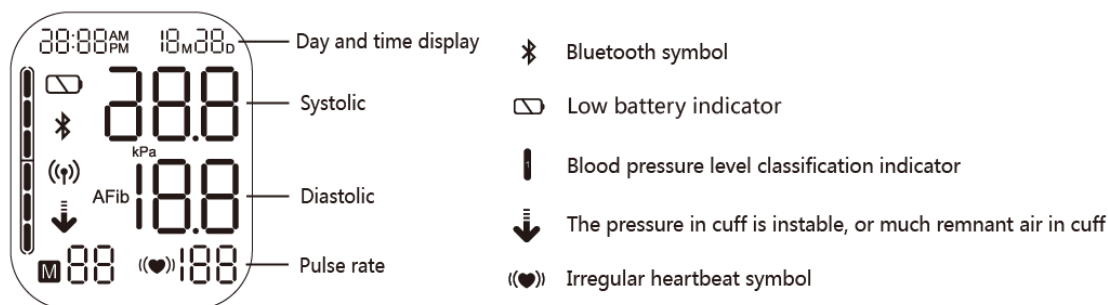
All physical activity, excitement, stress, eating, drinking, smoking, body posture and many other activities or factors (including taking a blood pressure measurement) will influence blood pressure value. Because of this, it is mostly unusual to obtain identical multiple blood pressure readings.

Blood pressure fluctuates continually ----- day and night. The highest value usually appears in the daytime and lowest one usually at midnight. Typically, the value begins to increase at around 3:00 AM, and reaches to highest level in the daytime while most people are awake and active.

Considering the above information, it is recommended that you measure your blood pressure at approximately the same time each day.

Too frequent measurements may cause injury due to blood flow interference, please always relax a minimum moment of 1 to 1.5 minutes between measurements to allow the blood circulation in your arm to recover. It is rare that you obtain identical blood pressure readings each time.

### CONTENTS AND DISPLAY INDICATORS



## INTENDED USE

Fully Automatic Electronic Sphygmomanometer is for use by medical professionals or at home and is a non-invasive blood pressure measurement system intended to measure the diastolic and systolic blood pressures and pulse rate of an adult individual by using a non-invasive technique in which an inflatable cuff is wrapped around the wrist. The cuff circumference is limited to 14cm-19.5cm(approx. 5 1/2" -7 11/16" ).

## PACKAGE CONTENTS

- 1 Wireless Blood Pressure Monitor With Attached Wrist Cuff
- 1 Operation Guide
- 1 Storage Case

## CONTRAINDICATION




It is inappropriate for people with serious arrhythmia to use this Electronic Sphygmomanometer.

## PRODUCT DESCRIPTION



Based on Oscillometric methodology and silicon integrated pressure sensor, blood pressure and pulse rate can be measured automatically and non-invasively. The LCD display will show blood pressure and pulse rate. The most recent 4×60 measurements can be stored in the memory with date and time stamp. The Electronic Sphygmomanometer corresponds to the below standards: IEC 60601-1Edition 3.1 2012-08/EN 60601-1:2006/A1:2013 (Medical electrical equipment -- Part 1: General requirements for basic safety and essential performance), IEC60601-1-2:2014/EN 60601-1-2:2015 (Medical electrical equipment -- Part 1-2: General requirements for basic safety and essential performance - Collateral standard: Electromagnetic compatibility - Requirements and tests), IEC80601-2-30:2009+AMD1 : 2013/EN 80601-2-30:2010/A1 : 2015(Medical electrical equipment –Part 2-30: Particular requirements for the basic safety and essential performance of automated non-invasive sphygmomanometers)EN 1060-1: 1995 + A2: 2009 (Non-invasive sphygmomanometers - Part 1: General requirements), EN 1060-3: 1997 + A2: 2009 (Non-invasive sphygmomanometers - Part 3: Supplementary requirements for electro-mechanical blood pressure measuring systems);ISO81060-2 : 2013(Non-Invasive Sphygmomanometers - Part 2: Clinical Validation Of Automated Measurement Type).

## SPECIFICATIONS



1. Product name: Wireless Blood Pressure Monitor
  2. Model: KD-752
  3. Classification: Internally powered, Type BF applied part, IP22, No AP or APG, Continuous operation
  4. Machine size: Approx. 100mm×70mm×23.5mm( 3 15/16" x 2 3/4" x 7/8" )
  5. Cuff circumference: 14cm-19.5cm(approx. 5 1/2" - 7 11/16" )
  6. Weight: Approx. 80g (2 13/16oz.) (exclude batteries and cuff)
  7. Measuring method: Oscillometric method, automatic inflation and measurement
  8. Memory volume: 4×60 times with time and date stamp
  9. Power source: batteries: 2×1.5V  SIZE AAA
  10. Measurement range:
    - Cuff pressure: 0-300mmHg
    - Systolic: 60-260mmHg
    - Diastolic: 40-199mmHg
    - Pulse rate: 40-180 beats/minute
  11. Accuracy:
    - Pressure: ±3mmHg
    - Pulse rate: Less than 60: ±3bpm  
More than 60 (incl.) : ±5%
  12. Environmental temperature for operation: 10℃～40℃(50°F～104°F)
  13. Environmental humidity for operation: ≤85%RH
  14. Environmental temperature for storage and transport: -20℃～50℃(-4°F～122°F)
  15. Environmental humidity for storage and transport: ≤85%RH
  16. Environmental pressure: 80kPa-105kPa
  17. Battery life: Approx 120 times.
  18. Wireless Connection:
    - Smart Bluetooth
    - Frequency Band: 2.400~2.4835GHz
  19. All components belonging to the pressure measuring system, including accessories:  
Pump, Valve, LCD, Cuff, Sensor
- Note: These specifications are subject to change without notice.

## NOTICE

1. Read all of the information in the operation guide and any other literature in the box before operating the unit.
2. Stay still, calm and rest for 5 minutes before blood pressure measurement.
3. The cuff should be placed at the same level as your heart.
4. During measurement, neither speak nor move your body and arm.
5. Measuring on same wrist for each measurement.

6. Please always relax at least 1 or 1.5 minutes between measurements to allow the blood circulation in your arm to recover. Prolonged over-inflation (cuff pressure exceed 300 mmHg or maintained above 15 mmHg for longer than 3 minutes) of the bladder may cause ecchymoma of your arm.
7. Consult your physician if you have any doubt about below cases:
  - 1) The application of the cuff over a wound or inflammation diseases;
  - 2) The application of the cuff on any limb where intravascular access or therapy, or an arterio-venous (A-V) shunt, is present;
  - 3) The application of the cuff on the arm on the side of a mastectomy;
  - 4) Simultaneously used with other monitoring medical equipments on the same limb;
  - 5) Need to check the blood circulation of the user.
8.  This Electronic Sphygmomanometer is designed for adults and should never be used on infants or young children. Consult your physician or other health care professionals before use on older children.
9. Do not use this unit in a moving vehicle, This may result in erroneous measurement.
10. Blood pressure measurements determined by this monitor are equivalent to those obtained by a trained observer using the cuff/stethoscope auscultation method, within the limits prescribed by the American National Standard Institute, Electronic or automated sphygmomanometers.
11. Information regarding potential electromagnetic or other interference between the wireless blood pressure monitor and other devices together with advice regarding avoidance of such interference please see part ELECTROMAGNETIC COMPATIBILITY INFORMATION. It is suggested that the wireless blood pressure monitor be kept 10 meters away from other wireless devices, such as WLAN unit, cell phone, microwave oven, etc.
12. If Irregular Heartbeat (IHB) brought by common arrhythmias is detected in the procedure of blood pressure measurement, a signal of  will be displayed. Under this condition, the Electronic Sphygmomanometer can keep function, but the results may not be accurate, it's suggested that you consult with your physician for accurate assessment.

There are 2 conditions under which the signal of IHB will be displayed:

  - 1) The coefficient of variation (CV) of pulse period >25%.
  - 2) The difference of adjacent pulse period  $\geq 0.14s$ , and the number of such pulse takes more than 53 percentage of the total number of pulse.
13. Please do not use the cuff other than supplied by the manufacturer, otherwise it may bring biocompatible hazard and might result in measurement error.
14.  The monitor might not meet its performance specifications or cause safety hazard if stored or used outside the specified temperature and humidity ranges in specifications.
15.  Please do not share the cuff with other infective person to avoid cross-infection.
16. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a

particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

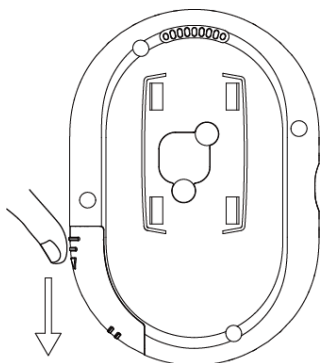
- Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.
17. Measurements are not possible in patients with a high frequency of arrhythmias.
  18. The device is not intended for use on neonates, children or pregnant women. (Clinical testing has not been conducted on neonates, children or pregnant women.)
  19. Motion, trembling, shivering may affect the measurement reading.
  20. The device would not apply to the patients with poor peripheral circulation, noticeably low blood pressure, or low body temperature (there will be low blood flow to the measurement position).
  21. The device would not apply to the patients who use an artificial heart and lung (there will be no pulse).
  22. Consult your physician before using the device for any of the following conditions: common arrhythmias such as atrial or ventricular premature beats or atrial fibrillation, arterial sclerosis, poor perfusion, diabetes, pre-eclampsia, renal diseases.
  23. The patient can be an intended operator.
  24. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
  25. Attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
  26. Swallowing batteries and/or battery fluid can be extremely dangerous. Keep the batteries and the unit out of the reach of children and disabled persons.
  27. If you are allergic to plastic/rubber, please don't use this device.

## SETUP AND OPERATING PROCEDURES

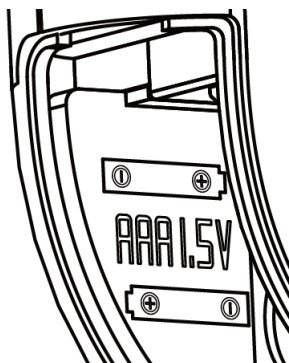
### 1. BATTERY LOADING

- a. Press the battery cover with your finger and push hard in the direction of the arrow. Remove the battery cover on the lower left side of the device. [See picture 1-1.](#)
- b. Insert two "AAA" size batteries. Make sure that the batteries are insert-ed with the correct polarity, according to the label on the battery compartment lid. [See picture 1-2.](#)
- c. Replace the battery cover carefully. [See picture 1-3.](#)

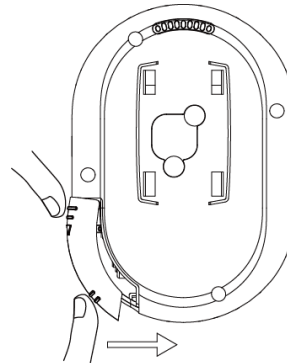




**Picture 1-1**



**Picture 1-2**





**Picture 1-3**


When LCD shows battery symbol , replace all batteries with new ones.

Rechargeable batteries are not suitable for this monitor.

Remove the batteries if the monitor will not be used for a month or more to avoid relevant damage of battery leakage.

 Avoid the battery fluid to get in your eyes. If it should get in your eyes, immediately rinse with plenty of clean water and contact a physician.

 The negative terminal of the battery needs to be compressed into the battery compartment properly after horizontal compression of the negative electrode. The battery is in contact with the spring.

 Make sure the battery cover is intact and not damaged before installing the battery.



*The monitor, the batteries and the cuff, must be disposed of according to local regulations at the end of their usage.*

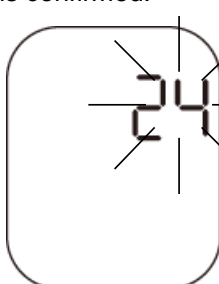
## 2. CLOCK AND DATE ADJUSTMENT

- a. Once you install the battery, it will enter Clock Mode, and LCD will display time and date. [See picture 2-1](#). The monitor will enter Standby Mode after 10 seconds with no operation.
- b. While the monitor is in Clock Mode or Standby Mode, press the “START” and “MEM” button simultaneously for two seconds, then release the buttons, the monitor will be in Clock and Date Adjustment Mode.
- c. In Clock and Date Adjustment Mode, the time format will blink at first. [See picture 2-2](#). While time format is blinking, press the button “MEM” to change the time format. The default time format is 24h.
- d. Press the button “START” repeatedly, the year (range is 2019~2099), month, day, hour and minute will blink in turn. [See picture 2-3 & 2-4 & 2-5 & 2-6 & 2-7](#). While the number is blinking, press the button “MEM” to increase the number, keep on pressing the button “MEM”, the number will increase faster.
- e. During adjusting clock and date, the monitor will turn off automatically after 1 minute with no operation.
- f. You can turn off the monitor by pressing “START” button when the minute is blinking,

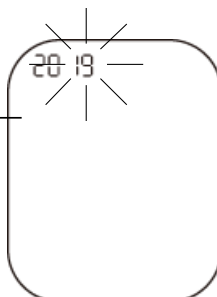
then the time and date is confirmed.



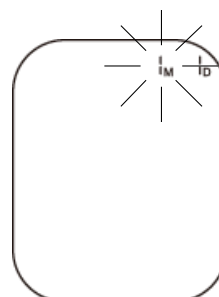
Picture 2-1



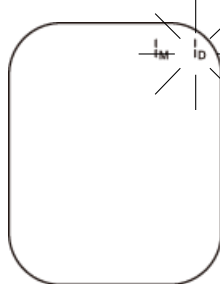
Picture 2-2



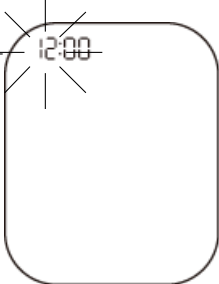
Picture 2-3



Picture 2-4



Picture 2-5



Picture 2-6



Picture 2-7

**Note:**

2.1 The clock format could be set by user.

2.2 Table 2-1 instructs the conversion relations between 24 hour format and 12 hour format.

**Table 2-1**

24 hour format	12 hour format	24 hour format	12 hour format
0:00	12:00 AM	12:00	12:00 PM
1:00	1:00 AM	13:00	1:00 PM
2:00	2:00 AM	14:00	2:00 PM
3:00	3:00 AM	15:00	3:00 PM
4:00	4:00 AM	16:00	4:00 PM
5:00	5:00 AM	17:00	5:00 PM
6:00	6:00 AM	18:00	6:00 PM
7:00	7:00 AM	19:00	7:00 PM
8:00	8:00 AM	20:00	8:00 PM
9:00	9:00 AM	21:00	9:00 PM
10:00	10:00 AM	22:00	10:00 PM
11:00	11:00 AM	23:00	11:00 PM

### 3. VOICE SETTING

- a. Voice language setting: In Standby Mode, you can select the voice language by keeping on press the button "MEM". Now LCD blink "L0", "L1", "L2" ... "Ln" (n means the number of language) circularly. See picture 3-1. "L0" represents closing voice function, "L1"



Picture 3-1



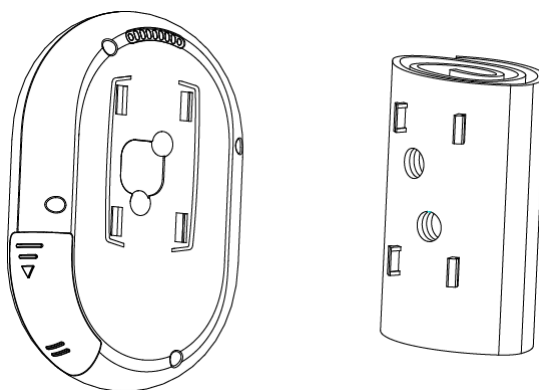
Picture 3-2

represents language 1, "L2" represents language 2,...,"Ln" represents language n, and so on. You can select the wanted language by releasing button "MEM" when display the corresponding language code.

- b. If the number of language is only one, LCD will twinkle "ON" and "--" circularly. Here "ON" represents opening the voice function and "--" represents closing the voice function.
- c. Voice volume setting: Once you have selected a language, keeping on pressing the button "MEM" again. A column of bar will appear on the left side of the LCD. See [picture 3-2](#). The higher the bars, the louder the volume. Release button "MEM" at your desirable volume for confirmation.

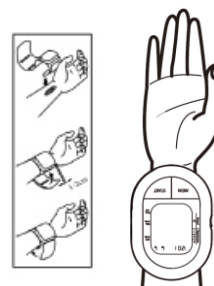
#### 4. CONNECTING THE CUFF TO THE MONITOR

The cuff is attached to the monitor when it is packaged. Should the cuff become unattached, align the two plugs and four brackets of the cuff with the plug sockets and bracket sockets of the monitor and press the cuff to the monitor until the plugs and brackets are securely attached.



#### 5. APPLYING THE CUFF

- a. Place the cuff around a bare wrist 1-2cm above the wrist joint on the palm side of the wrist.
- b. While seated, place the arm with the cuffed wrist in front of your body on a desk or table with the palm up. If the cuff is correctly placed, you can read the LCD display.
- c. The cuff must be neither too tight nor too loose.
- d. You can also take a measurement on your right wrist as the picture.



**Note:**

- **Please refer to the cuff circumference range in "SPECIFICATIONS" to make sure that the appropriate cuff is used.**
- **Measuring on same wrist each time.**
- **Do not move your arm, body, or the monitor and do not move the rubber tube during measurement.**

- ***Stay quiet, calm for 5 minutes before blood pressure measurement.***
- ***Please keep the cuff clean. Clean the cuff by wet soft cloth and mild detergent if the cuff becomes dirty. Do not remove the cuff from the monitor. Clean the cuff after the usage of every 200 times is recommended.***
- ***Do not place the cuff around your wrist if the wrist has any inflammation, acute diseases, infections skin wounds.***

## 6. BODY POSTURE DURING MEASUREMENT

### Sitting Comfortably Measurement

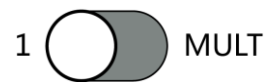
- a. Be seated with your feet flat on the floor, and don't cross your legs.
- b. Place palm upside in front of you on a flat surface such as a desk or table.
- c. The middle of the cuff should be at the level of the right atrium of the heart.



## 7. TAKING YOUR BLOOD PRESSURE READING

### (1) SELECT STANDARD OR MULTIPLE MODE

This device enables you to select either standard or multiple mode. The standard mode is standard single measurement, and the multiple mode is automatic triple measurement. Since blood pressure constantly fluctuates, the blood pressure reading from multiple measurements is much more reliable than that from only one measurement.



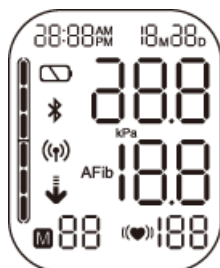
Slide the standard / multiple switch on the right side of the monitor toward to "1" to select standard mode, and toward to "MULT" to select multiple mode before measuring blood pressure.

### (2) STANDARD MODE

- a. After applying the cuff and your body is in a comfortable position, place the standard / multiple switch on the "1" side.
- b. Press the "START" button. All display characters are shown for self-test. You can check the LCD display according to the picture. Please contact the service center if segment is missing. [See picture 7-1.](#)
- c. Then the current memory bank is blink. [See picture 7-2.](#) Press "MEM" button to change over to other bank. Confirm your selection by pressing "START" button. The current bank can also be confirmed automatically after 5 seconds with no operation.
- d. Then the monitor starts to seek zero pressure. [See picture 7-3.](#)
- e. Then the cuff will be slowly inflated. The blood pressure and pulse will be measured during inflation. Inflation will stop as soon as the blood pressure and pulse rate have been calculated and displayed on the LCD. The irregular heartbeat symbol (if any) and blood pressure classification indicator will blink on the LCD. [See picture 7-4.](#) The result will automatically be stored in the Memory bank of the monitor.

- f. After measurement, the monitor will turn off automatically after 1 minute with no operation. Alternatively, you can press the “START” button to turn off the monitor manually.
- g. During measurement, you can press the “START” button to turn off the monitor manually.

*Note: Please consult a health care professional for interpretation of pressure measurements.*



Picture 7-1



Picture 7-2



Picture 7-3



Picture 7-4

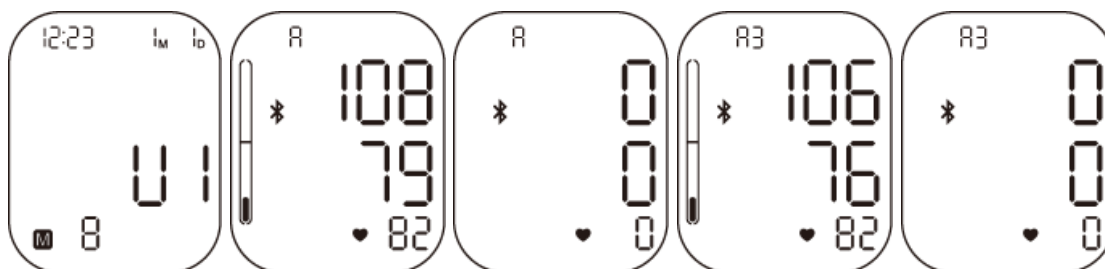
### (3) MULTIPLE MODE

- a. After applying the cuff and your body is in a comfortable position, place the standard / multiple switch on the “MULT” side.
- b. Press the “START” button, the initial information and settings are the same as section 7(2)b~d.
- c. Then multiple measurements are automatically taken and the result is automatically analysed and displayed. The result will also be stored in the Memory bank of the monitor automatically.
- d. After measurements, the monitor will turn off automatically after 1 minute with no operation. Alternatively, you can press the “START” button to turn off the monitor manually.
- e. The measurement result will be shown after multiple measurements. The individual results will not be displayed.
- f. Please keep quiet and calm during the entire process and do not remove the cuff between measurements.
- g. During the entire measurement process, you can press the “START” button to turn off the monitor manually.

## 8. DISPLAYING STORED RESULTS

- a. In Standby Mode, press “MEM” button, the monitor will display sign of current group. The amount of results in current user memory zone will be displayed. [See picture 8-1](#). Press “START” button to switch group, press “MEM” to confirm current group. The current bank can also be confirmed automatically after 5 seconds with no operation.
- b. Then LCD will display the average value of all results in the current bank. [See picture 8-2](#). If no result stored in the current user memory zone, LCD will display “0” for blood pressure and pulse rate. [See picture 8-3](#).
- c. Press “MEM” button, the LCD will display the average value of the last three results in the current user memory zone. [See picture 8-4](#). If no result stored in the current user

- memory zone, LCD will display “0” for blood pressure and pulse rate. [See picture 8-5](#).
- d. Press “MEM” button again, the LCD will display the average value of all results which is measured from 5 o'clock to 9 o'clock in last 7 days in the current user memory zone. [See picture 8-6](#). If the monitor has no result which is measured from 5 o'clock to 9 o'clock in last 7 days stored in the current user memory zone, the LCD will display “0”. [See picture 8-7](#).
- e. Press “MEM” button again, the LCD will display the average value of all results which is measured from 18 o'clock to 20 o'clock in last 7 days in the current user memory zone. [See picture 8-8](#). If the monitor has no result which is measured from 18 o'clock to 20 o'clock in last 7 days stored in the current user memory zone, the LCD will display “0”. [See picture 8-9](#).
- f. Press “MEM” button again, the most recent result will be displayed with date and time stamp. [See picture 8-10](#). Irregular heartbeat symbol (if any) and blood pressure classification indicator will blink at the same time. Press “MEM” button repeatedly to review the results measured previously. If the monitor has no result stored in the current user memory zone, the LCD will display “0” for blood pressure and pulse rate. [See picture 8-11](#).
- g. When displaying the stored results, the monitor will turn off automatically after 1 minute with no operation. You can also press the button “START” to turn off the monitor manually.



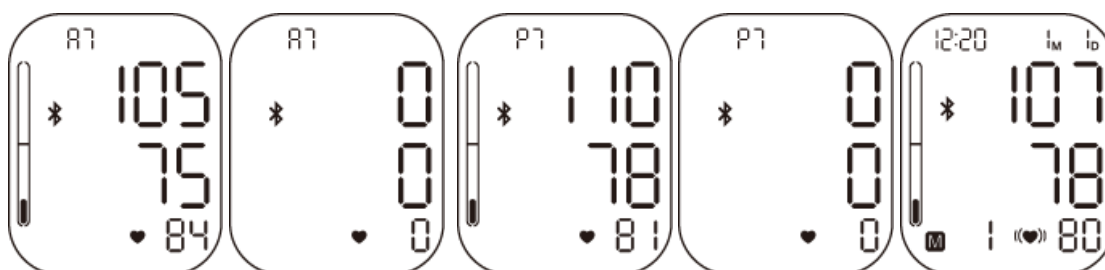
Picture 8-1

Picture 8-2

Picture 8-3

Picture 8-4

Picture 8-5



Picture 8-6

Picture 8-7

Picture 8-8

Picture 8-9

Picture 8-10



Picture 8-11

## 9. SYNCHRONIZING STORED RESULTS

- In Standby Mode, press “MEM” button, the monitor will wait Bluetooth connect and Bluetooth symbol flashing after confirming the group. Bluetooth symbol will stop flashing when Bluetooth is connected. When the Electronic Sphygmomanometer has finished memory synchronization, Bluetooth symbol will disappear. If an accident happens, synchronous unfinished, Bluetooth symbol will also disappear.
- When Bluetooth is disconnected, the monitor will turn off automatically after 1 minute with no operation. You can also press the “START” button to turn off the monitor manually.

## 10. DELETING MEASUREMENTS FROM THE MEMORY

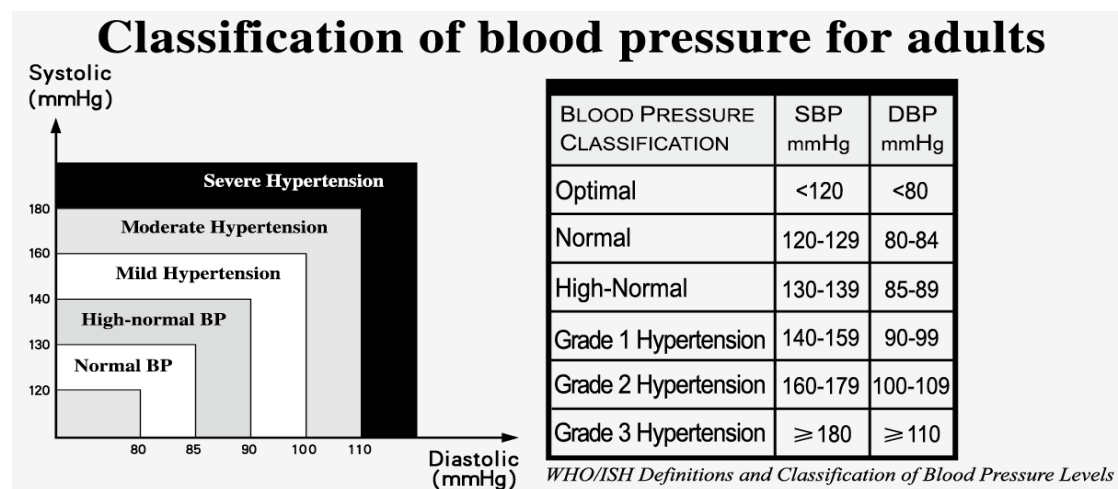
When any result is displaying (exclude average value displaying), keeping on pressing the “MEM” button for three seconds, all results in the current bank will be deleted . [See picture 10](#). Press the “START” button, the monitor will be turned off.



Picture 10

## 11. ASSESSING HIGH BLOOD PRESSURE FOR ADULTS

The following guideline for assessing high blood pressure (without regard to age or gender) has been established by the World Health Organization (WHO). Please note that other-factors (e.g. diabetes, obesity, smoking, etc.) need to be taken into consideration. Consult with your physician for accurate assessment, and never change your treatment by yourself.



## 12. TECHNICAL ALARM DESCRIPTION

The monitor will show 'HI' or 'Lo' as technical alarm on LCD with no delay if the determined blood pressure (systolic or diastolic) is outside the rated range specified in part SPECIFICACIONES. In this case, you should consult a physician or check if your operation violated the instructions.


The technical alarm condition (outside the rated range) is preset in the factory and cannot be adjusted or inactivated. This alarm condition is assigned as low priority according to IEC 60601-1-8.

The technical alarm is non-latching and need no reset. The signal displayed on LCD will disappear automatically after about 8 seconds.

## 13. TROUBLESHOOTING (1)

PROBLEM	POSSIBLE CAUSE	SOLUTION
LCD Display shows abnormal result	The cuff position was not correct or it was not properly tightened	Apply the cuff correctly and try again.
	Body posture was not correct during testing	Review the "BODY POSTURE DURING MEASUREMENT" sections of the instructions and re-test.
	Speaking, arm or body movement, angry, excited or nervous during testing	Re-test when calm and without speaking or moving during the test.
	Irregular heartbeat (arrhythmia)	It is inappropriate for people with serious arrhythmia to use this Electronic Sphygmomanometer.




## 14. TROUBLESHOOTING (2)

PROBLEM	POSSIBLE CAUSE	SOLUTION
LCD shows low battery symbol 	Low Battery	Change the batteries
LCD shows "Er 0"	Pressure system is unstable before measurement	Don't move and try again.
LCD shows "Er 1"	Fail to detect systolic pressure	
LCD shows "Er 2"	Fail to detect diastolic pressure	
LCD shows "Er 3"	Pneumatic system blocked during inflation	Connect the cuff correctly and try again. If the monitor is still abnormal, please contact the local distributor or the factory.
LCD shows "Er 4"	Pneumatic system leakage during inflation	
LCD shows "Er 5"	Cuff pressure above 300mmHg	Measure again after five



LCD shows “Er 6”	More than 160 seconds with cuff pressure above 15 mmHg	minutes. If the monitor is still abnormal, please contact the local distributor or the factory.
LCD shows “Er 7”	Inner memory error	
LCD shows “Er 8”	Device parameter checking error	
LCD shows “Er A”	Pressure sensor parameter error	
No response when you press button or load battery.	Incorrect operation or strong electromagnetic interference.	Take out batteries for five minutes, and then reinstall all batteries.
Bluetooth connection unstable	Bluetooth connection unsuccessful, monitor is abnormal, or strong electromagnetic interference is present	Reset iOS/Android device. Reset monitor. Make sure the monitor and iOS/Android device are away from other electrical equipment. Please see GENERAL SAFETY AND PRECAUTIONS

## MAINTENANCE

1.  Do not drop this monitor or subject it to strong impact.
2.  Avoid high temperature and solarization. Do not immerse the monitor in water as this will result in damage to the monitor.
3. If this monitor is stored near freezing, allow it to acclimate to room temperature before use.
4. The monitor requires 6 hours to warm from the minimum storage temperature between uses until the monitor is ready for its INTENDED USE when the ambient temperature is 20 °C.
5. The monitor requires 6 hours to cool from the maximum storage temperature between uses until the the monitor is ready for its INTENDED USE when the ambient temperature is 20 °C.
6.  Do not attempt to disassemble this monitor.
7. If you do not use the monitor for a long time, please remove the batteries.
8. It is recommended the performance should be checked every 2 years or after repair. Please contact the service center.
9. Clean the monitor with a dry, soft cloth or a soft cloth squeezed well after moistened with water, diluted disinfectant alcohol, or diluted detergent.
10. No component can be maintained by user in the monitor. The circuit diagrams, component part lists, descriptions, calibration instructions, or other information which will assist the user's appropriately qualified technical personnel to repair those parts of equipment which are designated repairably can be supplied.
11. The monitor can maintain the safety and performance characteristics for a minimum of 10,000 measurements or three years, and the cuff integrity is maintained after 1,000 open–close cycles of the closure.
12. It is recommended the cuff should be disinfected 2 times every week if needed (For example, in hospital or in clinique). Wipe the inner side (the side contacts skin) of the cuff by a soft cloth squeezed after moistened with Ethyl alcohol (75-90%), then dry the cuff by airing.
13. Not servicing/maintenance while the monitor is in use .

## EXPLANATION OF SYMBOLS ON UNIT



Symbol for "THE OPERATION GUIDE MUST BE READ"(The sign background colour: blue.The sign graphical symbol: white)



Symbol for "WARNING"



Symbol for "TYPE BF APPLIED PARTS" (The cuff is type BF applied part)



Symbol for “ENVIRONMENT PROTECTION – Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local Authority or retailer for recycling advice”.



Symbol for “MANUFACTURER”

**CE 0197**

Symbol for “COMPILES WITH MDD93/42/EEC REQUIREMENTS”



Symbol for “DATE OF MANUFACTURE”



Symbol for “EUROPEAN REPRESENTATION”



Symbol for “SERIAL NUMBER”

**IP22** The first characteristic numeral symbol for “Degrees of protection against access to hazardous parts and against solid foreign objects “.The second characteristic numeral symbol for “Degrees of protection against ingress of water”.

## WARRANTY INFORMATION

Only charge the cost of components and transport.

## SERVICE CENTER



ANDON HEALTH CO., LTD.

No. 3 Jinping Street, YaAn Road, Nankai District, Tianjin 300190, China.

Tel: 86-22-60526081



iHealthLabs Europe SAS

36 Rue de Ponthieu, 75008, Paris, France

## IMPORTANT INFORMATION REQUIRED BY THE R&TTE

The **Bluetooth®** word mark and logos are registered trademarks owned by Bluetooth SIG, Inc and any use of such marks by ANDON HEALTH CO., LTD. is under license.

Other trademarks and trade names are those of their respective owners.

This product complies with Industry Canada. IC: RSS-210

### IC NOTICE

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Hereby, [ANDON HEALTH CO.,LTD.] declares that the radio equipment type [KD-752] is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:  
**【the internet address】**

## ELECTROMAGNETIC COMPATIBILITY INFORMATION

This product is applicable to the equipment and system requirements for the purpose of receiving radio frequency energy for the purpose of the work, Bluetooth receive bandwidth 2M. This product can also be used to include RF transmitter equipment and system requirements and emission frequency of 2.4GHz ISM band, Bluetooth modulation types:GFSK , effective radiated power: < 20dBm

**Table 1 - Emission**

Phenomenon	Compliance	Electromagnetic environment
RF emissions	CISPR 11 Group 1, Class B	Home healthcare environment
Harmonic distortion	IEC 61000-3-2 Class A	Home healthcare environment
Voltage fluctuations and flicker	IEC 61000-3-3 Compliance	Home healthcare environment

**Table 2 - Enclosure Port**

Phenomenon	Basic EMC standard	Immunity test levels
		Home Healthcare Environment
Electrostatic Discharge	IEC 61000-4-2	±8 kV contact ±2kV, ±4kV, ±8kV, ±15kV air
Radiated RF EM field	IEC 61000-4-3	10V/m 80MHz-2.7GHz 80% AM at 1kHz
Proximity fields from RF wireless communications equipment	IEC 61000-4-3	Refer to table 3
Rated power frequency magnetic fields	IEC 61000-4-8	30A/m 50Hz or 60Hz

**Table 3 – Proximity fields from RF wireless communications equipment**

Test frequency (MHz)	Band (MHz)	Immunity test levels
		Professional healthcare facility environment
385	380-390	Pulse modulation 18Hz, 27V/m
450	430-470	FM, ±5kHz deviation, 1kHz sine, 28V/m
710	704-787	Pulse modulation 217Hz, 9V/m
745		
780		



810	800-960	Pulse modulation 18Hz, 28V/m
870		
930		
1720	1700-1990	Pulse modulation 217Hz, 28V/m
1845		
1970		
2450	2400-2570	Pulse modulation 217Hz, 28V/m
5240	5100-5800	Pulse modulation 217Hz, 9V/m
5500		
5785		

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