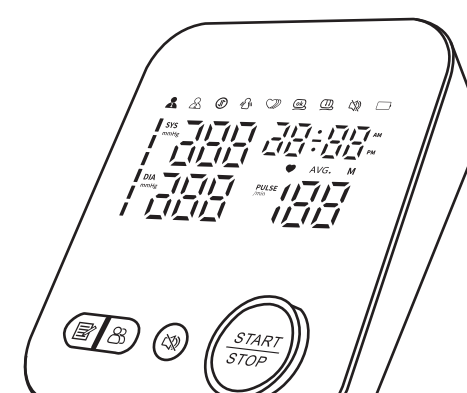


材质: 内页普通80g书写纸,
成品尺寸:100×140mm

Fully Automatic Upper Arm
Blood Pressure Monitor
Model Number: BA31/BA31T
USER'S MANUAL



CONTENTS

1. Introduction and Intended Use..... 2

2. Important Information on Blood Pressure and Its Measurement..... 5

3. Components of Your Blood Pressure Monitor..... 6

4. Using Your Monitor for the First Time..... 8

5. Measurement Procedure..... 10

6. Care and Maintenance..... 16

7. Warranty/Service..... 17

8. Certifications..... 17

9. Technical Specifications..... 17

10. FCC Statement..... 18

11. EMC Declaration..... 18

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Version Number 1.0

1.2 Warnings and Precautions

Warning: The use of other accessories other than those specified or provided by the equipment manufacturer may cause electromagnetic radiation to increase or decrease electromagnetic immunity resulting in operational failure.

Warning: This system may fail to yield specified measurement accuracy if operated or stored in temperature or humidity conditions outside the limits stated in the specifications section of this manual.

Warning: Use only the qualified AC adapter that complies to the IEC60950-1 requirement to ensure the safety.

Warning: Do not use the AC adapter of the unit or the power cord is damaged. Turn off the power and unplug the power cord immediately.

Warning: The user must check that the equipment functions safely and use that in a proper working condition before being used.

Warning: The device is not suitable for use in the presence of flammable anesthetic mixtures with air or with oxygen or nitrous oxide.

Warning: If the patient is an intended operator, the device can be safely used by patient. The routine clean and disinfectant batteries can be performed by the patient.

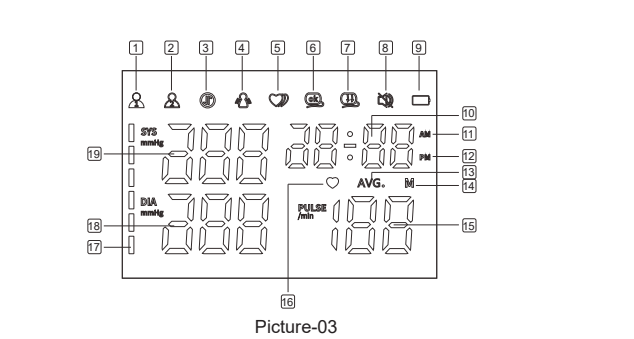
Warning: This device can not be used together with full surgical equipment.

Warning: Use of power adapters
1. Adapter: Input 100-240V, 50/60Hz output DC 5V 1A.
2. Do not touch to water leakage, high temperature, moisture, dust, sunlight and more or more corrosive gas environment. And do not use the product in the above environment.

Warning: Too frequent measurements can cause injury to the PATIENT due to blood flow interference.

Warning: Don't place the cuff on your wound part.
Precaution of the CUFF can temporarily cease loss of function of automatically used monitoring ME EQUIPMENT on the same limb.

Caution: To avoid any possibility of accidental asphyxiation, keep the device away from children and do not strap tubing around your neck.



- 3.2 The symbols on the LED display**
- 1. User ID
 - 2. Measurement error symbol
 - 3. Bluetooth symbol (Bluetooth)
 - 4. Measurement error symbol
 - 5. Irregular heartbeat symbol
 - 6. Cuff wrap error symbol
 - 7. Cuff wrap error symbol
 - 8. Low battery symbol
 - 9. Low battery symbol
 - 10. AM symbol
 - 11. AM symbol
 - 12. AM symbol
 - 13. Average value symbol
 - 14. Heartbeat symbol (Please refer to measurement)
 - 15. Pulse display / Memory number
 - 16. WHF function symbol
 - 17. WHF function symbol
 - 18. Systemic blood pressure
 - 19. Systemic blood pressure

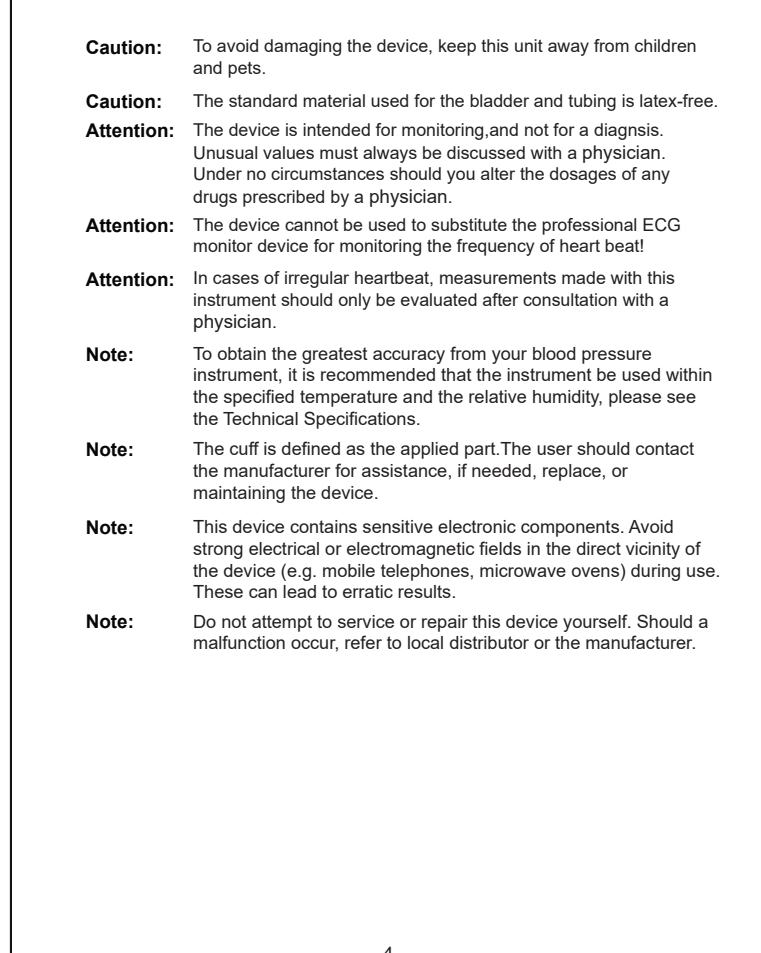
- 3.3 Features of Model**
- 1. Voice function
 - 2. Double users, 2 x 120 sets memory
 - 3. Cuff self-checking function
 - 4. Irregular heartbeat checking
 - 5. Average value function
 - 6. Low battery warning
 - 7. WHF function
 - 8. Auto power-off
 - 9. External power adapter support
 - 10. Volume adjustment
 - 11. Data time display

Note: Arm circumference should be measured with a measuring tape in the middle of the relaxed upper arm. Do not force cuff connection into the opening. Make sure the cuff connection is not pushed into the AC adapter port.

2. Important Information on Blood Pressure and Its Measurement

2.1. How does high or low blood pressure arise?
Your level of blood pressure is determined in the circulatory center of the brain and adjusts to a variety of situations through feedback from the nervous system. To adjust blood pressure, the strength and speed of the heart (Pulse), as well as the width of secondary blood vessels is altered. Blood vessel width is controlled by the heart muscles in the blood vessel walls.

2.2. Which values are normal?
The device contains sensitive electronic components. Avoid strong electrical or electromagnetic fields in the direct vicinity of the device (e.g. mobile telephones, microwave ovens) during use. This device contains sensitive electronic components. Avoid strong electrical or electromagnetic fields in the direct vicinity of the device (e.g. mobile telephones, microwave ovens) during use. This device contains sensitive electronic components. Avoid strong electrical or electromagnetic fields in the direct vicinity of the device (e.g. mobile telephones, microwave ovens) during use.



4. Using Your Monitor for the First Time

4.1 Activating the pre-installed battery
Battery Installation
Use only 1.5V "AA" alkaline batteries with this device.
1. Press the knob on the bottom of the battery cover and lift the cover off in the direction of the arrow (Picture-04).
2. Insert 3 "AA" alkaline batteries and make sure the + (positive) and - (negative) polarities match the polarities of the battery compartment, then close the battery cover. Make sure that the battery cover is securely in position.

4.2 Setting the User ID (1 or 2):
With the unit off, Press [2] (1 or 2) button and then you can set the User ID user by pressing [2] (1 or 2) button.

1. Introduction and Intended Use

This device is a fully automatic digital blood pressure measuring device. It is intended to measure systolic and diastolic blood pressure as well as the pulse by wrapping around the upper arm with cuff circumference ranging from 22cm to 42cm.

1.1. Remember...
• Only a health care professional is qualified to interpret blood pressure measurements.
• This device is NOT intended to replace regular medical checkups.
• Blood pressure readings obtained by this device should be verified before prescribing or making adjustments to any medications used to control hypertension. Under no circumstances should YOU alter the dosage of any drugs orally unless you have the permission of physician.
• This monitor is intended for use by adults only. Consult with a physician before using this instrument on a child.
• In cases of irregular heartbeat, measurements made with this instrument should only be evaluated after consultation with a physician.
• The products, including accessories, shall be processed in accordance with local regulations after reaching the life cycle.

3. Components of your blood pressure monitor

3.1. Measuring unit
AC Adapter Port, Battery, Mains Switch, LCD Display, On/Off Button, Cuff, Inflation Pump, Hose, Deflation Valve, Cuff Inflation Valve, Cuff Deflation Valve, Cuff Release Valve, Cuff Inflation Valve, Cuff Deflation Valve, Cuff Release Valve.

3.2. Which values are normal?
The device contains sensitive electronic components. Avoid strong electrical or electromagnetic fields in the direct vicinity of the device (e.g. mobile telephones, microwave ovens) during use. This device contains sensitive electronic components. Avoid strong electrical or electromagnetic fields in the direct vicinity of the device (e.g. mobile telephones, microwave ovens) during use.

5. Measurement Procedure

5.1. Before measurement
• Avoid sitting and smoking as well as all forms of exertion directly before measurement. These factors influence the measurement result. Find time to relax by sitting in an armchair in a quiet atmosphere for about ten minutes before taking a measurement.
• Always measure on the same arm (normally left).

5.2. Fixing the Cuff
Please refer to picture-05
a) Wrap the cuff around your upper left arm. The rubber tube should be on the inside of your arm extending downwards to your hand. Make certain the cuff lies approximately 2 to 3 cm above the elbow. Important! The "Q" on the edge of the cuff (Army Mark) must be over the artery which runs down the inner side of the arm.
b) To secure the cuff, wrap it around your arm and press the hook and loop closure together.
c) There should be little free space between your arm and the cuff. Cuffs that don't fit properly result in false measurement values. Measure your arm circumference if you are not sure of proper fit.
d) Lay your arm on a table (pain caused by the cuff is at the same height as your heart). Make sure the tube is not kinked.



5.3. Measure Procedure

The device is designed to take measurements and store the measurement values in memory for two people using User ID 1 and User ID 2.

Refer to picture-06
1. Sit comfortably in a chair with your feet on the floor.
2. Select your User ID (1 or 2).
3. Sit with your arm relaxed on the desk and keep relaxing, make sure the palm of hand is upward. Make sure arm is in correct position, to avoid body movement. Sit still and do not talk or move during the measurement. After the cuff has been appropriately positioned on the arm and connected to the blood pressure monitor, the measurement can begin.

5.4. Irregular Heartbeat Detector
The symbol (H) indicates that certain pulse irregularities were detected during the measurement. In this case, the result may deviate from your normal blood pressure - repeat the measurement.
The symbol (H) indicates that certain pulse irregularities were detected during the measurement. In this case, the result may deviate from your normal blood pressure - repeat the measurement.

6. Care and Maintenance

Wash hands after each time measurement.
If the device is used by different patients, wash hands before and after each use.
Clean the device with a soft, dry cloth. Do not use gas, thinner or similar solvents. Spots on the cuff can be removed carefully with a damp cloth and soapwater, if necessary. 70% isopropyl alcohol can be used. The cuff with leather should not be washed in a dishwasher, clothes washer, or submerged in water.
Do not drop the monitor or treat it roughly in any way. Avoid strong vibrations.
Do not open the monitor! This invalidates the manufacturer's warranty.
Batteries and electronic instruments must be disposed of in accordance with the locally applicable regulations, not with domestic waste.

Outlines and manufacturer's declaration - electromagnetic immunity

Immunity test	AC 100V level	Compliance level	Declaration
Electromagnetic immunity (EMC) 100V level	0.15V AC (100V)	0.15V AC (100V)	Compliance level
Electromagnetic immunity (EMC) 100V level	0.15V AC (100V)	0.15V AC (100V)	Compliance level
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Outlines and manufacturer's declaration - electromagnetic immunity

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Electromagnetic immunity (EMC) 100V level	0.15V AC (100V)	0.15V AC (100V)	Compliance level

5.5. Error indicators

The following symbol will appear on the display when measuring abnormal

SYMBOL	CAUSE	CORRECTION
No display	Check the battery or replace	Replace with batteries with the same capacity. Check the battery installation or proper connection of the battery terminals.
01	Stroke abnormal	Check the inflation or deflation of the cuff. Press the [2] button to start the measurement. Press the [2] button to stop the measurement.
02	Measurement error	Check the measurement position. Check the measurement position. Check the measurement position. Check the measurement position.
03	Measurement error	Check the measurement position. Check the measurement position. Check the measurement position. Check the measurement position.
04	There has been an air leakage	Inflate the cuff manually until there is no air leakage. Then press the [2] button to start the measurement.
05	The tube is emptying	Correct and make the measurement again.
06	The pressure is too low	Correct and make the measurement again.
07	The pressure is too high	Correct and make the measurement again.
08	The measurement is not correct	Press the [2] button to stop the measurement.

6.1. Accuracy

This device is designed to take measurements and store the measurement values in memory for two people using User ID 1 and User ID 2.

6.2. Accuracy

This device is designed to take measurements and store the measurement values in memory for two people using User ID 1 and User ID 2.

Outlines and manufacturer's declaration - electromagnetic immunity

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Electromagnetic immunity (EMC) 100V level	0.15V AC (100V)	0.15V AC (100V)	Compliance level

7. Warranty/Service

Your blood pressure monitor is guaranteed for 2 years against manufacturer's defects for the original purchaser only, from date of purchase. The warranty does not apply to damage caused by improper handling, accidents, misuse, or other factors beyond the manufacturer's control. The manufacturer shall not be liable for any damage to the device or its accessories caused by the user. The manufacturer shall not be liable for any damage to the device or its accessories caused by the user.

8. Certifications

This device is designed to meet the European blood pressure monitor standards and complies with the following requirements:

- CE Mark: conforms to essential requirements of the Medical Device Directive 90/269/EEC.
- RoHS: conforms to the Restriction of Hazardous Substances Directive 2002/95/EC.
- REACH: conforms to the Regulation (EC) No 1907/2006.

Outlines and manufacturer's declaration - electromagnetic immunity

Immunity test	AC 100V level	Compliance level	Declaration
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Outlines and manufacturer's declaration - electromagnetic immunity

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Electromagnetic immunity (EMC) 100V level	0.15V AC (100V)	0.15V AC (100V)	Compliance level

Trouble removal

Problem	Check	Cause and solution
No power	Check the battery power	Replace new one
No inflation	Check the battery power	Inflation for proper placement of the inflating port.
01	Check the inflation or deflation of the cuff	Check the inflation or deflation of the cuff. Press the [2] button to start the measurement. Press the [2] button to stop the measurement.
02	Check the measurement position	Check the measurement position. Check the measurement position. Check the measurement position. Check the measurement position.
03	Check the measurement position	Check the measurement position. Check the measurement position. Check the measurement position. Check the measurement position.
04	Check the measurement position	Check the measurement position. Check the measurement position. Check the measurement position. Check the measurement position.
05	Check the measurement position	Check the measurement position. Check the measurement position. Check the measurement position. Check the measurement position.
06	Check the measurement position	Check the measurement position. Check the measurement position. Check the measurement position. Check the measurement position.
07	Check the measurement position	Check the measurement position. Check the measurement position. Check the measurement position. Check the measurement position.
08	Check the measurement position	Check the measurement position. Check the measurement position. Check the measurement position. Check the measurement position.

10. EMC Declaration

This product meets special provisions regarding EMC and needs to be installed and put into service according to the EMC information provided, and the unit can be affected by portable and mobile RF communication equipment.

Outlines and manufacturer's declaration - electromagnetic immunity

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Outlines and manufacturer's declaration - electromagnetic immunity

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Electromagnetic immunity (EMC) 100V level	0.15V AC (100V)	0.15V AC (100V)	Compliance level

FCC Statement:
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.
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.
Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

420mm

400mm