

101 mm

书纸

140 mm

Arm Electronic Blood Pressure Monitor User Manual



Safety Information

【Intended Use】

This device is suitable for measuring the systolic blood pressure, diastolic blood pressure and pulse rate of adults using the oscilloscope method. The measured values can be used as reference for diagnosis.

【Structure and composition】

The product is made up of main device(include of air pump, pressure sensor, solenoid valve, power supply circuit, button control circuit, CPU control module, embedded software, display module and others), and cuff(outsourcing), USB cable(outsourcing).

【Contraindications】

△ Do not allow individuals who are unable to express their own will to use this product.

Product Information

【Instruction of Product Components】



Button Function Description

Set Button: Press this button briefly in the off state to perform user settings. Press and hold for 3 seconds in the off state to enter the device settings mode. You can set various parameters such as device time (year, month, day), voice measurement, blood pressure value unit, and alarm function one by one.

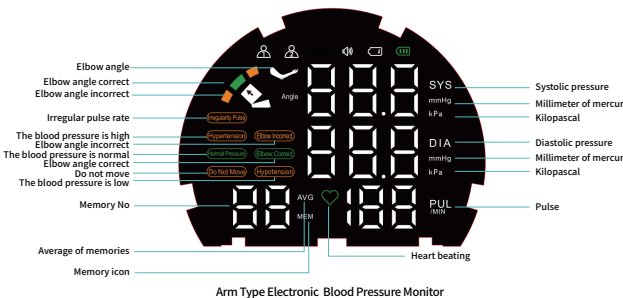
Memory Button: Press this button while the device is powered off to view the stored blood pressure readings.

On/Off Button: Press this button while the device is powered off. It will initiate the automatic blood pressure measurement process.

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Product Information

【Instruction of Display】



【Product Specification】

Product Name	Arm Type Electronic Blood Pressure Monitor
Model	BP-D02
Measuring Method	Oscillography
Measurment Range	Blood Pressure Value (0~295)mmHg/(0~39.33)kPa
Static Measurement Accuracy	Blood Pressure Value ±3mmHg(±0.4kPa) Pulse Value The reading value±5%
Power	DC 3.7V/USB 5V
Working Environment	Temperature: +5℃~+40℃ Humidity: 15%~80% RH Atmosphere: 80kPa~105kPa
Cuff	Measurement of The Arm Circumference(22-32)cm
Size	270mm*188mm*221.5mm
Transport Storag Environment	During transportation, it is necessary to avoid strong impacts, direct collisions, exposure to direct sunlight or rain. After packaging, the blood pressure monitors should be stored in an indoor environment with the following temperature conditions: -20℃ to +55℃, relative humidity ≤93%, no corrosive gases, and good ventilation.

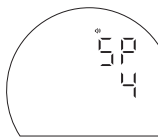
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Instructions for use

1.Volume setting

Long press the set button, and press the memory button to set 1.2.3.4.OFF. And the default is 4-volume levels.

Long press the set button for 3 seconds

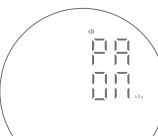


press the memory button to set the volume of 1.2.3.4.OFF.



2.Units setting

Long press the Set button, then short press the Set button to enter the unit setting. "OFF" represents millimeters of mercury, "ON" represents kilopascals.



3.Blood Pressure Measuring

3.1Preparation before measuremen

3.1.1To avoid affecting the accuracy of the blood pressure monitor, please refrain from eating, smoking or exercising before the measurement. Before conducting the actual blood pressure measurement, try to have yourself rest quietly for ten minutes.

3.1.2Please use your left arm for the measurement. If there are any clothes on your arm that may interfere with the measurement, please remove it.

3.1.3 The cuff is suitable for arm circumferences ranging from 20cm to 32cm.

3.1.4 Try to measure your blood pressure at the same time every day, as the blood pressurecan vary over time.

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Instructions for use

3.2 The correct measurement posture

When conducting the measurement, relax and sit properly, and the room temperature should be suitable.

Do not eat, drink, smoke, exercise or take a bath within 30 minutes before the measurement.

When sitting on the chair, make sure to place the feet flat on the ground.

Keep the body straight.

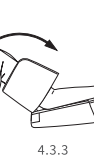
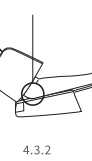
The midpoint of the arm tube is at the same level as the right atrium of the heart.

Do not cross the legs

The back and arms have support.

Correct Measurement Posture

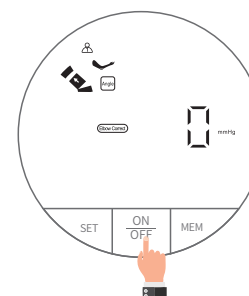
If the posture is incorrect during measurement, an accurate measurement result cannot be obtained. Please rest for at least 15 minutes before measurement; when measuring consecutively, please wait at least 2 minutes between each measurement.



3.3 Start measuring

3.3.1 After adjusting the posture, press the "On/Off" button.

3.3.2 After the elbow angle lights turns green, please do not move and continue to wait for the measurement.



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Instructions for use

△ Attention: During the measurement process, if the measurement needs to be interrupted for any reason, please immediately press the "On/Off" button.

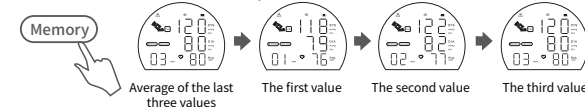
△ Declaration: Please let the professional experts interpret the measured blood pressure values.

3.4 Storing measurement values

This blood pressure monitor can store 99 sets of data for two users. After each measurement, the monitor will automatically save the measurement data. Once the memory capacity is full, the old data will be overwritten by the new data.

View Memory

When the device is powered off, press the memory button once. The average value of the last three blood pressure measurements will be displayed. Press the memory button again to display the first measurement's blood pressure value, and continue pressing it consecutively to display the second measurement's blood pressure value, and so on. See the illustration below.



Average of the last three values

The first value

The second value

The third value

3.5 Delete the memory
When the device is powered off, press the memory button once. Once the memory value appears, press and hold the "Memory" button until all the data disappears completely. This will delete all the memory values for the current user in the device.

△ Attention

The measurement results of the blood pressure monitor cannot be selectively deleted. After performing the "Delete Memory" operation, all the measurement values stored in the blood pressure monitor will be deleted (it is recommended that you make a record of your blood pressure before deleting the values, so that you can refer to it in the future).

【Measurement error message】

If any of the following situations occur, the LED display will show an error report, as shown in the table below.

LED error message	Possible causes of the error
ER1	1. Make sure whether the air inside the arm tube has been completely released before measurement. 2. Do not squeeze the arm tube after the measurement begins.
ER2	Do not move the arm during the measurement process.
ER3	Abnormal measurement results
ER4	The arm tube is too loose or leaking air. The pressure does not reach 30 mmHg within 10 seconds.
ER5	The air tube is blocked.
ER6	There was too much interference during the measurement.

The blood pressure monitor is usually affected by external interference during the measurement process. This can occur when there is a sudden large movement or electromagnetic interference that leads to incorrect measurement results. During the inflation process, keep the arm and elbow in the correct position and do not move.

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【Troubleshooting】

If any malfunction (or abnormal situation) occurs during use, the following key points for troubleshooting can be followed:

Symptom	Possible cause
The SYS blood pressure reading is too high or the DIA blood pressure reading is too low.	● The position of the elbow is high ● The position of the elbow is low ● Moving or talking during measurement
Abnormally high or low blood pressure values	Every time, the measurement whether have any change in the posture.
It is inconsistent with the blood pressure readings measured by the doctor. The blood pressure values measured each time are all different.	he subtle changes in one's mental state can be reflected in the blood pressure. After remaining calm for 4-5 minutes, the measurement should be taken again.
Even if the measurement button is pressed, no display appears; or after pressing the measurement button, the entire display appears but then the screen disappears; or during the measurement process, the battery symbol flashes.	The battery power is low. Please charge it.
The blood pressure monitor has malfunctioned.	Do not attempt to repair it yourself. Please send it back to the company for inspection and repair.

Note: If there is a severe arrhythmia, it is highly likely that the blood pressure value cannot be measured.

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