# 尺寸：80*100mm 书纸

# INSTRUCTION MANUAL



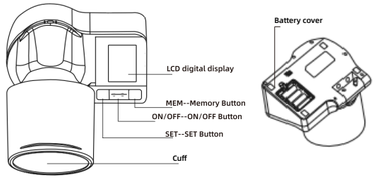
Arm cylinder type

**ELECTRONIC**
**BLOOD PRESSURE MONITOR**

## 【1. Product Name】

Arm Cylinder Type Electronic Blood Pressure Monitor

## 【2. Structure and composition】







## 【3. Scope of application】

The blood pressure of the measured object is displayed by measuring the pressure change of the airbag in the cuff.

## 【4. Main performance of product】

1) The range of blood pressure monitor (upper arm type) is 0mmhg (0kpa) ~295 mmhg (39.33kpa)
2) No matter pressure is rise or fall, the maximum error of pressure measurement in the cuff shall be ± 0.4kpa at any measuring point in the measuring range.
3) The pulse rate measurement range of blood pressure monitor (upper arm type) shall be ( 40~199 ) times / min, and the allowable error shall be ± 5%.

## 【5. Safety features】

1) Classification by anti electric shock type: Internal power supply
2) Classification according to the degree of protection against electric shock: BF type application part
3) Classified according to the degree of protection against liquid inlet: ordinary equipment
4) Classified according to the safety degree when using flammable anesthetic gas mixed with air or flammable anesthetic gas mixed with oxygen or nitrous oxide: Non AP / APG equipment
5) Classification by operation mode: continuous operation
6) Rated voltage of blood pressure monitor (upper arm type): DC6V (4 AA batteries)
7) Input power of equipment: N / A
8) The blood pressure monitor (upper arm type) has no application part with protection against defibrillation discharge effect.
9) The blood pressure monitor (upper arm type) has no signal output or input part.
10) The blood pressure monitor (upper arm type) is a non permanently installed device.
11) In the electromagnetic compatibility item, it meets the requirements of class B of group 1 in GB 4824-2013.

## 【6. Product features】

**"SET" key**

1. Click the SET button: display the current user, press it again to switch users, and press the ON/OFF button to save and exit.
2. Long press the SET button: display the SP volume adjustment, click the MEM button to adjust the speaker volume gear and speaker switch (volume adjustment function: 1st, 2nd, 3rd, 4th, 5th gear OFF, the default volume is on 4), press the ON/OFF key to save and exit.

**"ON/OFF" key**

1. Click the ON/OFF button, the power-on self-test will start, and the measurement will start automatically, and then press the ON/OFF button to shut down.

**"MEM" key**

Memory search (50 sets of memory for each user)

1. Press the MEM key to search the value of the last measurement in the power-o ffstate (search the current user memory and voice broadcast);
2. Press MEM for the 2nd time to search the second last measurement value, and press MEM for the 3rd time to search the third latest measurement,until all measurement displayed, "--" means there is no current data.
3. Memory deletion: Press 6 seconds to enterthe current user memory deletion mode, press the SET button to confirm the deletion, and press the ON/OFF button to exit.

Notice:

1. Automatically shut down after 60s without any operation
2. If the battery is low, the battery icon flashes and the voice broadcasts low battery.

## 【7. Caution】

1)Do not wrap the cu ffaround the arm with wound or inflammation, otherwise the symptoms may worsen.
2)Do not wrap the cu ffaround the arm for drip or blood transfusion, otherwise the symptoms may worsen.

## 【8. Precautions, warnings and tips】

1) Please read this manual carefully before use.
2) This manual is a combination of technical manual and operation manual.
3) This product is used for measuring human blood pressure and pulse (applicable to adults aged 12 and above, not for newborn baby)
4) Please measure according to the correct posture;
5) Please sit still for 10 minutes before measurement;
6) Please measure at a fixed time every day;
7) Please do not speak or move your body during the measurement;
8) Please do not measure while standing;
9) Please do not measure when the body part is under pressure;
10) Please do not move your arm or bend your fingers during the measurement;
11) Please do not measure in a place that is too cold or too hot;
12) Please do not measure in places where the environment changes dramatically;
13) Please do not measure in a mobile vehicle;
14) Please do not measure immediately after smoking, drinking, drinking coffee (black tea),waiting for 1hour later to test at least;
15) Please do not measure within 1 hour after meals;
16) Please do not measure after exercise or bathing,waiting for 1hour later to test at least;
17) Please do not use mobile phones near this product;
18) Please do not measure continuously for a long time;
19) Please do not keep the cu ffinflated for a long time to avoid arm injury;
20) There may be risks when the airbag is inflated for a long time;
21) In case of common arrhythmia (atrial premature, ventricular premature, atrial fibrillation, etc.), the measured value is inaccurate or cannot be measured;
22) the waste of this product shall be treated in accordance with relevant national environmental protection regulations.
23) please refert to the measurement results under the guidance of the doctor.
24) Do not use it for any purpose other than measuring human blood pressure.

## 【9. Installation and use instructions or diagrams】

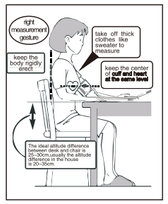
9.1 inspection before use
(1) When using blood pressure monitor (upper arm type), please first check whether the cuff is loose or damaged;
(2) Power on Self-checking;
Press the power on button only, and all numbers and characters will be displayed when the device is powered on. This screen will be displayed for about 1 second.

**9.2 Before use, please install 4pcs AA batteries into the blood pressure monitor (upper arm type). The installation method of the batteries is as follows.**

(1) Open the battery cover , place the battery at the place the battery need to installed according to the positive and negative directions, and pay attention to the correct placement of the positive and negative directions;
(2) When the first time use or put in a new battery, need to wait for 10 minutes to warm up.

(3) When the battery is low, the battery symbol will appear on the display screen prompt the user to replace the new battery. Pay attention to the positive and negative polarity when opening the battery cover to replace the new battery. Incorrect placement may cause damage to the product.
(4) When the device isn't use for a long time, please take out the battery to prolong the service life and prevent damage to the blood pressure monitor due to battery leakage.
(5) There is no specified model of battery, and the general requirement of battery is DC 1.5Vx4 (4pcs AA batteries).

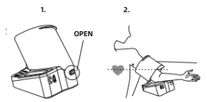
**9.3 Measurement Steps**




● **The normal measurement posture as shown on the left was used**

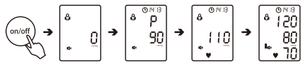
**1.Press the "arm barrel open button" to open the arm barrel as shownin Figure 1**

**2.Put the left hand into the arm barrel and place the elbow in the depressionas shown in Figure 2**




① **Press the button to open the arm cylinder,open the arm cylinder,inserthe left arm into the arm cyinder correctly,and adjust the position of the elbow. Refertothe use ofarmcyinder**

② **Press the "switch" keyonce, the sphygmomanometer begins to measure automatically.**




## 【10. Product maintenance methods, special storage and transportation conditions and methods】

**10.1 Product maintenance time (once a month)**

1) Do not use corrosive cleaners to clean this product.
2) Do not immerse the product in water or other liquids. Water or other liquids shall not seep into the product.
3) Keep the product in a dry place to avoid dust, pollution and direct sunlight.
4) Please clean the product frequently. If there is dirt on the product body, please wipe it with a dry soft cloth. If there is serious dirt, the soft cloth can be stained with water or neutral detergent. Wipe the body after fully screwing dry.
5) Do not clean or wet the cuff.
6) When not in use for a long time, please take out the battery to prolong the service life and prevent damage to the blood pressure monitor (upper arm type) due to battery leakage.
7) Please dispose of the blood pressure monitor (upper arm type)body,cuff and battery in accordance with the relevant urban environmental protection laws and regulations. Do not discard it casually.

**10.2 Product Maintenance**

The following problems are encountered when using , please find solutions according to the guidelines of the maintenance instructions. If the problem still exists, please contact our customer service.

| Reasons for displaying messages "e1", "e2" and "err" | Implication |
|---|---|
| Err | No heartbeat, blood pressure, abnormal results, abnormal sensors. |
| E1 | The cuff is too loose or leaking, or the trachea is blocked. |
| E2 | The measured pressure value exceeds the limit. |

Keep correct sitting posture during measurement and do not speak .

**Trouble shooting**

If any fault (or abnormal situation) occurs during use, the following key checks can be excluded:

| Symptom | Possible cause |
|---|---|
| The highest blood pressure is high or the lowest blood pressure is low | ● Elbow placement high<br>● Lower elbow position<br>● Move or speak while measuring |
| Abnormally high or low blood pressure | Postural changes were measured eachtime |
| Inconsistency with the blood pressure measured by the doctor Every time the blood pressure is measured | Subtle changes in the state of mind in the presence of the doctor are reflected in changes in blood pressure. Let it sit for 4-5 minutes before measuring again |
| There is no display even if the measurement button is pressed,or after the measurement button is pressed,the screen display disappears after the full display. or the battery symbol flashes during the measurement process | Battery power is insufficient,please replace the battery |
| The sphygmomanometer is malfunctioning | Please send it back to the company for inspection and repair. Do not disassemble the machine for repair. |

**10.3 Working environment**

■ Ambient temperature: 5 ℃ ~ 40 ℃, the best temperature is 25 ℃;
■ Relative humidity: ≤ 80%;
■ Atmospheric pressure: 70kpa ~ 106kpa

**10.4 Storage and transportation environment**

■ Ambient temperature: - 20 ℃ ~ + 55 ℃;
■ Relative humidity: ≤ 93% RH;
■ Atmospheric pressure: 50kPa ~ 106kpa
■ A well ventilated room without corrosive gas.
■ The transportation requirements shall be in accordance with the order contract, but the severe impact, vibration and rain and snow splashing during transportation must be 100% prevented.

Note: if stored or used outside the temperature and humidity rangespecified by the manufacturer, the system may not meet the claimed performance specifications.

## 【11. Production date and service life】

Production date: see product label
The service life is 3 years.

## 【12. Spare parts list】

12.1 Accessories
■ Electronic Blood Pressure Monitor
■ Instructions
■ Quality certificate

## 【13. Interpretation of graphics, symbols, abbreviations and other contents used in device labels】

| Symbolic graphics | Explain | Symbolic graphics | Explain |
|---|---|---|---|
| | Warning | | Refer to the user manual |
| | Low battery prompt | | BF type app lication part |
| | This side up | | Need to avoid rain |
| | Need to avoid direct sunlight | | Handle with care |
| 10 | It means that this product contains some harmful substances, which can be safely used within the 10-year environmental protection service life. | | Class II Device |

# CERTIFICATE

Product Name: Electronic blood pressure monitor

Inspection Result: Acceptable

Inspector:

Production Batch:

Production Date: _____

Period of Validity: 3 Years

PASS 01