# User Manual Smart Blood Pressure Monitor ePA-08B4



- Thank you for choosing our Smart Blood Pressure Monitor.
  For the purpose of proper using and maintaining the Smart Blood PressureMonitor, please read this instruction completely before operating.
  Please keep this instruction manual safe for future use.
  Illustrations in this manual are for reference only.
- IP22 Degree of protection against harmful ingress of particulate matter ш 3 \* Do not dispose of such waste separa

  SN Serial number not dispose of this product in municipal waste. Collect h waste separately for special treatment is necessary ₩ Pro The package should be protected from rain The package contains fragile products, please handle with care

  Transport package should be upright
  The maximum stacking layer of the same package,
  Freeze the layer limit 1.Measurement preparation Measurement

- 1. Measurement preparation weasurement
  1) Warp the cult
  2) Correct posture
  3) Measuring blood pressure
  In order to correct blood pressure
  In order to correct blood pressure management, please measure the blood
  pressure at the same time every day;
  I Propose to measure your blood pressure an hour after getting up, or before sleeping

### 2.Safety information

- use under the guarance of occurs. This device is terrodicted for use in measuring blood pressure and pulse rate in the adult population. Do not use this device on infants or pressors who cannot express their intention.

  Please control the pressure within 300mm/elg/40P-3).

  Otherwise the aim may be congestion or numbroses.

  This product is only for human body blood pressure measurement.

  Please use the specific purpose cut.

- -Otherwise it can't accurately measure blood pressure Don't use the mobile phone near the product . Don't dismantle or repair ,renovation the main body of Use only 1.5V alkaline batteries with this device. Do not use other types of
- Use only 1.5V alkaline batteries with this device. Do not use other types of batteries. This may damage the units, immediately rinse with plenty of clean water. Contact a physician immediately. If battery fluid should get in your skin or your clothes, immediately rinse with notices of show the properties.
- in datalety into strouch get in your soin or your occurred, intrincisminy linear with feterly of clean water.

  Don't install the wrong battery positive and negative.

  When the Low Battery Indicator appears on the display screen turn the nonitor off and remove all the batteries. Replace with four new batteries at the
- same time.

  Long time no using(more than 3 months) , please take out the batteries
- Dispose of the battery, components and optional accessories according to applicable local regulations. Unlawful disposal may cause environmental poliution.

  Don't mix the new and old battery, or different type of battery.

# 

### 4.Unit Specifications

Main Body

Before use, please insert four AA batteries into the battery compartment.

If air leaks due to quality problems, you can call the customer service center to replace it.
Do not bend the cutt and cutt tube.
Do not apply pressure before the cutt is wrapped around your arm.



# 5.Battery Installation

the battery cover.

3) Insert 4 AA batteries as shown in the figure. The positive (+) and negative (-) poles. of the battery should be consistent with the positive and negative poles marked in the battery compartment.

4) Replace the battery cover.







# icon "flashing": the battery will run out soon

Figure 1 role battery is enhanced.

Please replace for new batteries at the same time (same type).

Please sum off the main body power when replacing the battery.

Please sum off the main body power when replacing the battery.

The stored memory value will not be dissidered when the battery is replaced.

After replacing or servoiving the battery, the time and date must be reset.

Please remove the battery if you do not use the product for three months or longe.

Coppose of the old batteries as por legal regulations.

#### 6. Function setting

\*After turning on the power, you need to set the date and time

\*Please set in the order of user, year, month, date, hour, minute, measureme
reminder and unit.

\*The blood peasure monitor can automatically store measurement results.

The blood pessure monitor can automessary associated by a second position of the property of t number is displayed, press the [MEM] I button to set users.

# 2)Set the year value

2) Set the year value.

Long press the (SET) button when the year value flashes, you can set the year value. Each firm you press the [MEM] button, it will increase by one. When you keep pressing the [MEM] button, it will increase girldy. Press the (SET) button to set the year value.

The setting range of the year is 2012 to 2099. -20.00

3)Set month value
Press the (SET) button, when the month value flashes, you can set
the month value. Each sine you press the (MEM) button, it will
increase by one. When you seep pressing the (MEM) button, it will
increase you will yellow the (SET) button to set the month value. - 149

4)Set the current date
Press the (SET) button, when the date value flashes, you can set
the date value. Each time you press the (MEM) button, it will increase
by one. When you keep pressing the (MEM) button, it will increase
quickly-Press the (SET) button to set the date value.

- 840

Pless the (SET) button, when the minute value flashes, you can set the minute value. Each time you press the (MEM) button, it will increase by one. When you keep pressing the (MEM) button, it will increase quickly. 7) Set unit (disfault unit is mmHg)

Pleas the [SET] button to display "0.0" or "0.0.0.0". Long press the [MEM] button to switch cyclically. The unit of "0.0" is mmHg, and the unit of "0.0.0.0" is KPa.

Note: The switch here is a long press to prevent the unit from being switched by mistale

### Entry into static mode

Fines and hold the (ONOFF) button to turn on the product, and when it displays "C-0"; it will automatically return to zero and enter the static mode. Note: This operation is recommended not to be used by the user, it is only used for product verification and maintenance.

#### 7. Wrap the cuff

-Bodh left arm and right arm can be measured.

\*Take measurements with bare arms or just wearing light clothing.

\*Please perform the measurement in a room with a suitable temperature.

\*When wearing thick clothes, do not roll up your sleeves for measurement, of before measurement.

of bullow making under order bullow making who color to makiness accurately, please take care to wap the cult correctly.

1) insent the air play of the cult from the and pipe intellined of the man body.

Thread the rigit arm into the stiff, the six take of the cold floors the incide of the paint Nether than cold floors the riche of the cold floors the cold floors the cold floors the cold floor of the cold floors the cold floor of coldens.



- 8-00

4) Fasten the cuff with the cloth buckle



# 8.Correct measurement posture



e posture and cuff winding method shown in the figure below may not be

able to perform correct measurement The cuff is winding Speak or move during measurement



# 9.Measurement of blood pressure

Please keep the correct posture during the measurement, do not move your ody, and keep quiet. I)In the power-on state, press the [ON/OFF] button, and the blood pressure nonitor starts to inflate automatically. Inflation is stopped, measurement is star ower-on state, press the (ON/OFF) button, and the blood pressure tarts to inflate automatically. Inflation is stopped, measurement is starter usted. As the cuff vents, the heartbeat icon flashes with each heartbeat. he measurement is completed, the cuff is completely exhausted. The blood pressure monitor displays the measurement result, and the measure value is automatically stored.









4) After the measurement, if the measurement result shows a hearbeat ion to indicate arrhythmia (such as atrial premature, ventricular premature, and atrial fibrillation, etc.)
5) The measurement results can be uploaded to the terminal installed with the

For android: Enter into the "Google Play store" to download "Easy BP"
For IOS: Enter into the "apple store" to download "Easy BP"
With software installed, click app entering into "login/registration" page. As is

shown in figure 1, if you are a new user, you can click "Join us free" but register. As is shown in figure 2, set user information ,then click "done" to finisi register. If you have already registered, please sign in directly.







Figure 1 Figure 2 Figure 3 Figure 2 Figure 3 Fig danger in the arm.

uanger in the arm.

Please measure at the same time every day (it is recommended to measure within 1 hour after waking up and before going to bed)

# 10. Use memory and clear memory function

The blood pressure monitor can automatically store measurement results, and can store 2\*100 groups of measurement data. If more than 100 sets of measurement data have been stored, the oldest set of measurement results will be deleted and

The default is to query the memory value of "User 1"

If the setting has been changed to "User 2", press the [MEM] button, and the query is the memory value of "User 2".

is the memory value of "User 2". In the shutdown state, long press the [MEM] button, when the flashing "M 0", all memories of the current user will be cleared.

# 11.Maintenance and storage

Be sure to observe the items in the manual and other correct usage methods. If you do not comply, our company will not be responsible for quality.

Maintenance

\*Please clean the blood pressure monitor frequently If the main body is dirty, please wipe it with a dry soft cloth
If the main body is extremely dirty, dampen a soft cloth with water or neutral detergent,

\*If the main body is extremely dirty, dampen a soft cloth wring it out thoroughly, and then wipe the main body. Maintenance recommendations \*Do not wipe with volatile oil, thinner, gasoline, etc. \*Do not wash or wet the ouff.

\*Do not get water to enter the main body.







# 12.Storage method

Do not place the blood pressure monitor in the following places:

\*Places exposed to direct sunlight, high temperature, humidity, dust, and

corrosive gases.

\*Places that are inclined, vibration, or impact.

# 13 Product calibration

This product has been calabrated according to the relevant national measurement requirements when flexing the factory will be recommended to check and calabrate the blood pressure monitor once a year and send to the meliopoid verification agency or contact the affect sales service unit to ensure that the blood pressure monitor functions recensily and the measurement of according to the control of the production of the control of the cont

\*This product has no user-repairable parts. The company can provide cir. diagrams, component lists, calibration rules, or information necessary for qualified

chnicians to repair. +If the original parts are replaced with parts not provided by the manufacturer, it

### 14.Product Declaration

The blood pressure value measured by this product is equivalent to the value measured by the auscultation method, and its error should meet the requiremer specified in YY0667-2008. For related information, please call the customer

animal britishes.

An offer to prevent safe was witnerference, the equipment is approved for see in hospitals, client and other environmentally qualified visitations. Using the equipment is not provided interference and exchange provided interference as surrounding read-and believing environment may use electromagnetic interference as surrounding read-and believing real-privent. Keep anywhere, and song real-privent is real-privent and highly relegionest consideration around privent in a feet of the exchange real-privent is desirable properties, and discovered and highly relegionest confidence of the exchange appropriate confidence surriging in the confidence of the exchange and exchang

15.Blood pressure measurement Q&A

(2.7-4.0kPa) lower than the blood pressure measured in the hospital. It is important

(c.)—workey lotes that the thooly presented in the troppals, it is important to know your normal blood presents when you are call mat home.

When the cut is higher than the heart during measurement. If the table or platform on which the blood pressure monitor is placed to high, causing the cuff to be higher than the heart, the measured blood pressure value is low.

A Have you taken antihypertensive drugs? People who take antihypertensive drugs will cause high blood pressure when they lose their effectiveness. Please accept

the doctor's platence.

(B) it he call frequency position cornec? If the cell position is misplaced, the attential signal cannot be organized, and the blood pressure measured in too high. Please microsome for the variety of the missing part of the cell pressure measured too long. If the cornerstance (I) is the cell respect to locate). If the cornect cell pressure size is the cornect cell pressure size in the place of the cell pressure size in the place of the cell pressure size in the place of the cell pressure size in the cell pressure size in the cell pressure size is the cell pres

 Why is the blood pressure value measured every time different?
 Blood pressure fluctuates due to various reasons. Even when measuring at home, the measurement results will change under the following conditions. +Within 1 hour after meal, after drinking, drinking coffee, black tea.

rement. In the event of blood stasis, loosen the cuff, raise your hand over the top of your head, and repeat the clenching and stretching exercises of about 15

top of your hoat, and repeat the clienthing and distributing exercises of about 15 cms to locate the state. In Center to locate the state.

(3) Throughout the day, even if blood pressure in measured even y'to seconds, there are changes, it is with an immaning blood pressure correctly, please measure as the second changes of the state in managed blood pressure. In the state of the

@When is the best time to measure blood pressure?

The best time to measure blood pressure is within 1 hour after getting up in the morning, or before going to bed at night. If you measure in the morning, please take it within 1 hour after waking up, after unination, and before breakfast (if you are taking antihypertensive drugs, then before taking the medicine). If the measurement at night is recommended before going to bed. If it is other time, it is better to measure when the body and mood are in a stable state. In addition, it is recommended to measure

16. When the screen display error

| Display<br>symbol | Reason/Meaning   | Correct way  |
|-------------------|--|--|
|                   | The signal is too weak or the  | Please confirm whether the cuff is tied in the<br>correct way, tightened, and tied in the correct<br>position  |
| E                 | pressure changes suddenly  | Eliminate the incorrect measurement methor<br>and re-measure with the correct method   |
| E-2               | Too much external phones, motors and interference information Whether to move yo | When measuring, keep away from equipment with strong interference sources, such as mob phones, motors and other strong interference sources, and then measure again. |
|                   |  | Whether to move your arm freely or speak during the measurement  |

| E-3 | Inflation error   | Please confirm whether the trachea is folded, etc., and re-measure after solving  |
|-----|---|---|
|     |   | Please confirm whether the tube, tube joints and<br>the main body are tightly connected, and whether<br>the tube and cuff are broken. |
|     |   | Then re-measure   |
| E-5 | Abnormal blood pressure Please rest for 30 minutes before re-meas If it is abnormal three times in a row, pleas to the hospital or consult your personal do |   |
|     | Low battery   | Please replace 4 new AA batteries at the same time  |

# 17. When in doubt

| Abnormal situation  | Resson   | Handing method   |
|---|--|--|
|   | The cuff is not<br>wrapped properly  | Wrap the cuff correctly  |
| The measure value ofblood pressure abnormal low(high)   | Talk or move arm during<br>measurement   | Measure quietly Please refer<br>to blood pressure<br>measurement OSA   |
|   | Ti   | Take off the clothes that pres<br>the arm and measure  |
|   | The air plug is not correctly incerted into the air pipe interface of the main body.  Connect the air interfacult correctly. | Connect the air interface and<br>cuff correctly  |
| No pressure   | Leak in cuff   | Purchase a new cuff. "The new cuff does not have<br>an air plug. Please do not throuse<br>away the air plug, install it on a<br>new cuff and use it      |
| The cuff exhausts in a short time   | The cuff is too loose  | Please was your cull tightly.<br>"If it is not wound tightly,<br>excess pressure will be added<br>to the cull and its service life<br>will be shortened. |
| The blood pressure monitor is working normally, and it is measured according to the correct measurement method, but it is lower (higher) than the | Taking antihypertensive drugs. Culf position   | Please refer to the blood pressure measurement Q&A.  |

| Sudden power failure during<br>pressurization to reset the<br>clock | If not used for a long time, the<br>dry battery energy is exhausted<br>due to temperature changes | Replace with new batteries.  |
|---|---|--|
| After pressing the button,  | Battery energy is completely consumed   | Replace with new batteries.  |
| nothing is displayed  | The +-pole of the battery is reversed   | Insert the battery correctly.  |
| Other phenomena   | Display screen jitter<br>Can't measure  | Please press the [ON/OFF]<br>button and perform the<br>operation again.<br>Please try replacing the batte<br>Otherwise, it is still unable to<br>measure, please contact |

| Product name          | Smart Blood Pressure Monitor   |  |
|-----------------------|--|--|
| Model No.             | ePA-0884   |  |
| Measurement methods   | Oscillometric method   |  |
| Measuring range       | Pressure: 0-280mmHg (0kPa-37.3kPa)<br>Pulse number: 40 hops/min-129 hops/min   |  |
| Accuracy              | Pressure: within a3mmHg (a0.4kPa)<br>Pulse number: accuracy is a5%   |  |
| Power supply          | DC 6V, 4 AA batteries  |  |
| Operating temperature | +5°C ~ +40°C , 15%RH ~ 85%RH,<br>80Kpa-105Kpa  |  |
| Storage temperature   | -10°C ~ +55°C , 10%RH ~ 93%RH,<br>80Kpa-105Kpa   |  |
| Dimensions            | 120 mm (W)*158 mm (L)*54 mm (H)  |  |
| Accessory             | Cuff (applicable arm circumference range<br>22cm - 36cm), Instruction manual, Battery<br>(4*AA batteries). Certificate of Qualificator |  |

Sherchen Belar Health Measurement and Analysis Technology Cu., Ltd.
702704 Block C, Tsinghau Little Science No. 13 Langshain Rd., H-Tech Industrial Pain(north).
Nanshain District 15827 Shearchen Pe.OPLE'S REPUBLIC OF CHINA

•After smoking and bathing. \*After sensioning and bathing\*\*After sensioning many bathings and sensioning many sensioning

-When the measurement site or environment is different from the past.

-Will it cause blood stasis during continuous measurement? Blood stasis is caused by pressure on the arm to force the blood to flow through the tip of the finger during

