

# URiGHT BP Smart

## BLOOD PRESSURE MONITORING SYSTEM



### Owner's Manual

Version 6.0  
2019-03

Dear System Owner:

Thank you for purchasing the URiGHT BP Smart Blood Pressure Monitoring System. This manual provides important information to help you operate this system properly. Before using this product, please read the following contents thoroughly and carefully.

With the compact size and easy operation of this URiGHT BP Smart Blood Pressure Monitoring System, you can easily monitor your blood pressure by yourself at any time or place. In addition, this system can help you and your healthcare professionals to monitor and adjust your treatment plans, and keep your blood pressure under control.

If you have other questions regarding this product, please contact the place of purchase.

### IMPORTANT SAFETY PRECAUTIONS

#### READ BEFORE USE

1. Use this device **ONLY** for the intended use described in this manual.
2. Do **NOT** use accessories which are not specified by the manufacturer.
3. Do **NOT** use the device if it is not working properly or damaged.
4. Do **NOT** use under any circumstances on newborns or infants.
5. This device does **NOT** serve as a cure for any symptoms or diseases. The data measured are for reference only. Always consult your doctor to have the results interpreted.
6. Keep the equipment and its flexible cord away from hot surfaces.
7. Do **NOT** apply the cuff to areas other than the place directed.
8. Use of this instrument in a dry environment, especially if synthetic materials are present (synthetic clothing, carpets etc.) may cause damaging static discharges that may cause erroneous results.
9. Do not use this instrument in close proximity to sources of strong electromagnetic radiation, as these may interfere with the accurate operation.

**KEEP THESE INSTRUCTIONS IN A SAFE PLACE**

### BEFORE YOU BEGIN

#### Intended Use

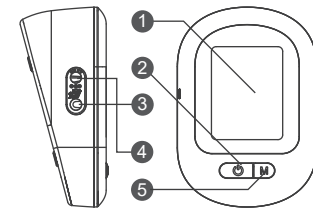
The URiGHT BP Smart Blood Pressure Monitoring System is a system designed to measure blood pressure non-invasively. It is intended for use at home and in clinical settings. The device is not to be used for the diagnosis or screening of hypertension or for testing on newborns.

#### Test Principle

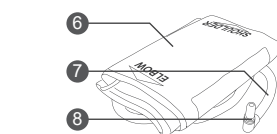
Blood pressure is measured non-invasively at the arm based on oscillometric method.

This device is **NOT** able to take measurements in the presence of common arrhythmia, such as atrial or ventricular premature beats or atrial fibrillation. It may produce reading error.

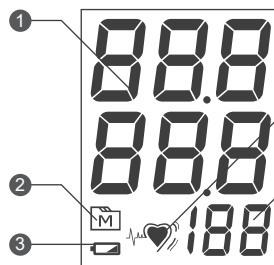
#### Meter Overview



- 1 **Display Screen**
- 2 **ON/OFF Button**  
To start a single NIBP measurement
- 3 **Air jack**
- 4 **DC Adapter Port**  
Connect to a power supply
- 5 **M Button**  
Enter the meter memory
- 6 **Pressure Cuff**
- 7 **Air Tube**
- 8 **Air Plug**  
Connect to air jack



#### Display Screen



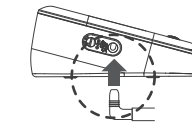
- 1 Test Result
- 2 Memory Mode Symbol
- 3 Low Battery Symbol
- 4 Pulse Rate Symbol
- 5 Pulse Rate

### TESTING YOUR BLOOD PRESSURE

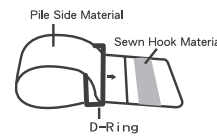
#### Before Measurement

- Avoid caffeine, tea, alcohol and tobacco for at least 30 minutes before measurement.
- Wait 30 minutes after exercising or bathing before measurement.
- Sit or lie down for at least 10 minutes before measurement.
- Do not measure when feeling anxious or tense.
- Take a 5-10 minute break between measurements. This break can be longer if necessary, depending on your physical condition.
- Keep the records for your doctor as reference.
- Blood pressure naturally varies between each arm. Always measure your blood pressure on the same arm.

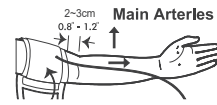
#### Fitting the Cuff Properly



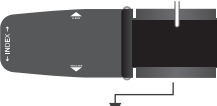
1. Connect the air plug of the tubing to the air jack of the meter.



2. Assemble the cuff as shown on the right. The smooth surface should be inside of the cuff loop and the metal D-ring should not touch your skin.
3. Stretch your left (right) arm in front of you with your palm facing up. Slide and place the cuff onto your arm to let the air tube and artery mark region (in red) toward the lower arm.



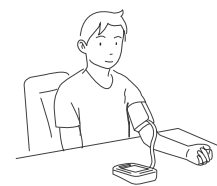
4. Wrap and tighten the cuff above your elbow. The red line on the edge of the cuff should be approximately 0.8" to 1.2" (2 cm to 3 cm) above your elbow. Align the tube over the main arteries on the inside.



The range index of cuff should fall within this range

4. Leave a little free space between the arm and the cuff; you should be able to fit two fingers between them. Clothing must not restrict the arm. Remove all clothing covering or constricting the measurement arm.
5. Press the hook material firmly against the pile material. The top and bottom edges of the cuff should be tightened evenly around your upper arm.

#### Proper Measurement Position



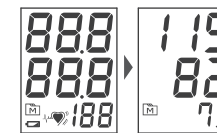
1. Sit down for at least 10 minutes before measuring.
2. Place your elbow on a flat surface. Relax your hand with the palm facing up.
3. **Make sure the cuff is about the same height as the location of your heart.** Press **ON/OFF**. Remain still and do not talk or move during the measurement.

**WARNING:**  
If the cuff is relatively lower (higher) than the heart, the obtained blood pressure value could be higher (lower) than the actual value. A 15 cm difference in height may result in an error around 10 mmHg.

4. Measurement is in progress.  
After the meter is turned on, the cuff will begin to inflate automatically.

### TAKING MEASUREMENTS

Always apply the pressure cuff before turning on the meter.



1. Press **ON/OFF**. All the LCD symbols and the last blood pressure result will appear. Then the cuff will begin to inflate automatically.



2. The heart symbol "♥" will flash when pulse is detected during the inflation.



3. After the measurement, the meter displays the systolic pressure, diastolic pressure and pulse rate.



4. Press **ON/OFF** to switch off. Or it will switch off automatically after being idle for 3 minutes.

#### WARNING:

- If you press **ON/OFF** during measurement, the monitor will be turned off.
- If the pulse rate symbol is shown as "♥" instead of "♥", this indicates that the meter has detected an irregular heart beat.

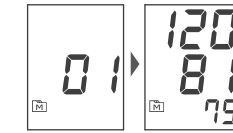
### MONITOR MEMORY

Your meter stores the 100 most recent blood pressure test results in the meter memory. To recall the memory, start with the meter off.

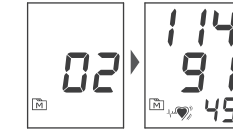
#### Reviewing Test Results



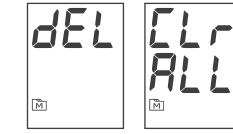
1. Press and release **M**. **M** will appear on the display. Press **M** again, and the first reading you see is the last test result.



2. Press **M** to recall the next test results stored in the meter each time you press.



3. Exit the memory. Keep pressing **M** and the meter will turn off.



#### NOTE:

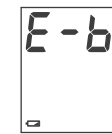
- To delete ALL the results, press and firmly hold **M** for 4 seconds until "dEL" displays. Release **M**, "CLr ALL" and "M" are displayed on the meter, which indicates that all results have been deleted.
- Any time you wish to exit the memory, press **ON/OFF** or leave it without any action for 3 minutes. The meter will switch off automatically.
- If using the meter for the first time, you will only see the "M" symbol on the display when you recall the test results. It indicates that there is no test result in the memory.

### MAINTENANCE

#### Battery

Your meter comes with four (4) 1.5V AA size alkaline batteries.

#### Low Battery Signal



**The E-b symbol appears with E-b:**  
The power is not enough to do a test. You must change the batteries immediately.

#### Replacing the Battery

To replace the batteries, make sure the meter is turned off.



1. Press the edge of the battery cover and lift it up to remove.
2. Remove the old batteries and replace with four 1.5V AA size alkaline batteries.
3. Close the battery cover. If the batteries are inserted correctly, you will hear a "beep" afterwards.

#### NOTE:

- Replacing the batteries does not affect the test results stored in memory.
- As with all small batteries, these batteries should be kept away from small children. If swallowed, promptly seek medical assistance.

### WARRANTY CERTIFICATE

**YEAR WARRANTY**

Owner's portion

Name of product: \_\_\_\_\_

Name of owner: \_\_\_\_\_

Address: \_\_\_\_\_

Tel No: (Mobile) \_\_\_\_\_ (H) \_\_\_\_\_ (O) \_\_\_\_\_

Email: \_\_\_\_\_ Age: \_\_\_\_\_ Gender:  M  F

Date of Purchase:  /  /   
day month year

Dealer's Stamp:

Serial No.: \_\_\_\_\_

\*NOTE: Please produce this card together with the purchase receipt for warranty service.

### WARRANTY REGISTRATION CARD

Dealer's portion

Name of product: \_\_\_\_\_

Name of owner: \_\_\_\_\_

Address: \_\_\_\_\_

Tel No: (Mobile) \_\_\_\_\_ (H) \_\_\_\_\_ (O) \_\_\_\_\_

Email: \_\_\_\_\_ Age: \_\_\_\_\_ Gender:  M  F

Date of Purchase:  /  /   
day month year

Dealer's Stamp:

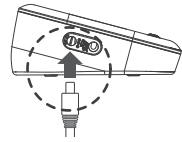
Serial No.: \_\_\_\_\_

\*IMPORTANT: To qualify for the warranty, please fill in this card and mail to us within 14 days from the date of purchase.

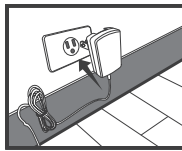
- Batteries might leak chemicals if unused for a long time. Remove the batteries if you are not going to use the device for an extended period (i.e., 3 months or more).
- Properly dispose of the batteries according to your local environmental regulations.

## USING AC ADAPTER

### Connect AC Adapter to the Meter

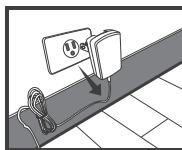


1. Connect AC adapter plug to DC adapter jack of the meter.

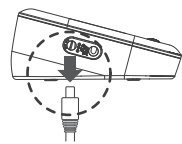


2. Plug AC adapter power plug into an electrical outlet. Press ON/OFF to start the measurement.

### Remove AC Adapter from the Meter



1. When the meter is off, remove AC adapter power plug from the electrical outlet.



2. Disconnect AC adapter plug from DC adapter jack of the monitor.

## CARING FOR YOUR METER

To avoid the meter attracting dirt, dust or other contaminants, wash and dry your hands thoroughly before use.

### Cleaning

1. To clean the meter exterior, wipe it with a cloth moistened with tap water or a mild cleaning agent, then dry the device with a soft dry cloth. Do **NOT** flush with water.
2. Do **NOT** use organic solvents to clean the meter.
3. Do **NOT** wash the pressure cuff.
4. Do **NOT** iron the pressure cuff.

### Meter Storage

- Storage condition: -25°C to 70°C (-13°F to 158°F), between 10% and 95% relative humidity.
- Always store or transport the meter in its original storage case.
- Avoid dropping or heavy impact.
- Avoid direct sunlight and high humidity.

## DETAILED INFORMATION

### Reference Values

Clinical studies show that adult diabetes is often accompanied by elevated blood pressure. People with diabetes can reduce their heart risk by managing their blood pressure along with diabetes treatment\*1.

Monitoring your routine blood pressure trend helps you to know your body condition. Human blood pressure naturally increases after reaching middle age. This symptom is a result of continuous ageing of the blood vessels. Further causes include obesity, lack of exercise and cholesterol (LDL) adhering to the blood vessels. Rising blood pressure accelerates hardening of the arteries, and the body becomes more susceptible to apoplexy and coronary infarction.

The recommended blood pressure range is as below:

Classification	Systolic Pressure (mmHg)	Diastolic Pressure (mmHg)
Hypotension*2	Less than 90	Less than 60
Normal*3	Less than 120	Less than 80
Elevated*3	120 - 129	Less than 80
Stage 1 Hypertension*3	130 -139	80 -89
Stage 2 Hypertension*3	140 or more	90 or more
Hypertensive Crisis*3	180 or more	120 or more

\*1: National Heart, Lung, and Blood Institute, Diseases and Conditions

\*2: The Seventh Report of the Joint National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure. NIH Publication. 2003. No. 03-5233

\*3: New ACC (American College of Cardiology) and AHA (American Heart Association) guidelines for the detection, prevention, management and treatment of high blood pressure (2017).

## SYSTEM TROUBLESHOOTING

If you follow the recommended action but the problem persists, or error messages other than the ones below appear, please call your local customer service. Do not attempt to repair by yourself and never try to disassemble the monitor under any circumstances.

### Error Messages

MESSAGE	CAUSE	WHAT TO DO
	Inflation or pressure error.	Please contact local customer service for help.
	Blood pressure measurement error.	Refit cuff tightly and correctly. Relax and repeat the measurement. If error still remains, contact local customer service for help.
	Batteries are dead.	Replace the batteries.
	Problems with the meter.	Review the instructions and repeat the test. If the meter still does not work, please contact the local customer service for help.

### Troubleshooting

1. If no display appears after pressing :

POSSIBLE CAUSE	WHAT TO DO
Batteries exhausted.	Replace the batteries.
Batteries incorrectly installed or absent.	Check that the batteries are correctly installed.

2. If the heart rate is higher/lower than user's average:

POSSIBLE CAUSE	WHAT TO DO
Movement during measurement.	Repeat measurement.
Measurement taken just after exercise.	Rest at least 30 minutes before repeating measurement.

3. If the result is higher/lower than user's average measurement:

POSSIBLE CAUSE	WHAT TO DO
May not be in correct position while measuring.	Adjust to the correct position to measure.
Blood pressure naturally varies from time to time.	Keep in mind for next measurement.

4. If the cuff inflates again while measuring:

POSSIBLE CAUSE	WHAT TO DO
Cuff is not fastened.	Fasten the cuff again.
If user's blood pressure is higher than the pressure the device has inflated, the device will automatically increase the pressure and start to inflate again. Stay relaxed and wait for the measurement.	

## SYMBOL INFORMATION

Symbol	Referent	Symbol	Referent
	Consult instructions for use		Caution
	Manufacturer		Type BF Equipment
	Serial number		RoHS Compliance
	Authorized representative in the European Community		Resistant to liquid ingress
	Temperature limit		Humidity limitation
	CE mark		Catalogue number
	Refer to instruction manual/ booklet NOTE ON ME EQUIPMENT "Follow instructions for use"		
	This device does not belong to household waste and must be returned to a collection point for recycling electric and electronic devices according to local laws. If it contains batteries, the batteries should be removed and disposed in accordance with local regulations for separate collection of spent batteries.		

## SPECIFICATIONS

### System performance

Power source:	Four 1.5V AA alkaline batteries
Size of monitor w/o cuff:	130.5 mm (L) x 90 mm (W) x 55 mm (H), 210 g without batteries.
Cuff Size:	M (medium): 25-35 cm (9.8-13.8 inches) with air tube 80 cm W (wide): 24-43 cm (9.4-16.9 inches) with air tube 100 cm
Memory:	Maximum 100 memory records
Power saving:	Automatic power off if system idle for 3 minutes
System operating conditions:	5°C to 40°C (41°F to 104°F), 15% - 93% R.H.
Meter storage conditions:	-25°C to 70°C (-13°F to 158°F), 10% - 95% R.H.
Power Supply Input:	four (4) 1.5V AA size alkaline batteries DC +6V / 1A (max) via Power Plug

### Blood pressure measurement performance

Measurement unit:	mmHg
Systolic Measurement Range:	60 mmHg -255 mmHg
Diastolic Measurement Range:	30 mmHg -195 mmHg
Pulse Rate Measurement Range:	40 -199 beats / minute
Accuracy of Pressure:	±3 mmHg or ±2% of reading
Accuracy of Pulse rate:	±4% of reading
Heart rate range:	40 - 199 beat per minute

This device has been tested to meet the electrical and safety requirements of: IEC/EN 60601-1, IEC/EN 60601-1-2.

Reference to Standards:

- EN 1060-1 /-3, NIBP-requirements
- IEC60601-1 General requirement for safety
- IEC60601-1-2 Requirements for EMC
- EN1060-4, NIBP clinical investigation
- AAMI / ANSI / IEC 80601-2-30, ANSI/AAMI/ISO 81060-2, NIBP requirements

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B1-7F, No. 127, Wugong 2nd Rd.,  
Wugu Dist., 24888 New Taipei City, Taiwan  
www.taidoc.com

MedNet GmbH  
Borkstraße 10, 48163 Münster, Germany



### TERMS & CONDITIONS OF WARRANTY

1. We warrant this product to be free of defects in workmanship and materials within the said warranty period on the warranty certificate.
2. During the warranty period, if this product is found to be defective, you may bring it, together with the purchase receipt and Warranty Certificate, on a carry-in basis to our office during normal business hours for warranty service. We will then repair or replace defective parts or exchanging the whole product as we may choose, at no charge to the original owner. After such repair, replacement or exchange, the product will be warranted for up to the remainder of the warranty period.
3. This warranty is valid only if the Warranty Certificate and Warranty Registration Card are duly completed with date of purchase, serial number and dealer's stamp, and if the Warranty Registration Card is sent to our office not later than 14 days from the date of purchase.
4. This warranty is void if this product has been repaired or serviced by unauthorized person. This warranty does not cover defects caused by misuse, abuse, accident, tampering, lack of reasonable care, fire or any other acts beyond human control.
5. Except as stated in the above paragraphs, we disclaim all other warranties, implied or expressed, including the warranties of merchantability or fitness for a particular purpose with respect to the use of this product. We shall not be liable for any direct, consequential or incidental damages arising out of the use or inability to use this product.

PLEASE  
AFFIX  
STAMP

## DEALER'S INFORMATION