

Operation Instruction



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

MedNet GmbH
Borkstraße 10, 48163 Münster, Germany

Dear URiGHT BP Master System Owner:

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

With the compact size and easy operation of this URiGHT BP Master 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 THIS 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.
10. Proper maintenance is essential to the longevity of your device. If you are concerned about your accuracy of measurement, please contact local customer service for help.

KEEP THESE INSTRUCTIONS

BEFORE YOU BEGIN

INTENDED USE

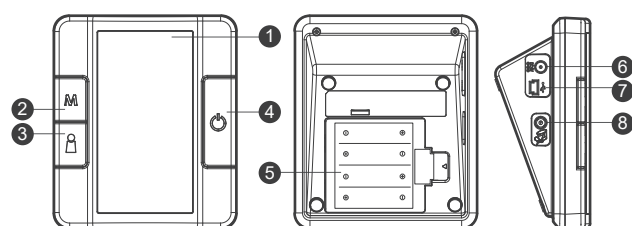
The URiGHT BP Master Blood Pressure Monitoring System is a system designed to measure blood pressure non-invasively. It is intended for use at home and in clinical settings. The device is not to be used for the diagnosis or screening of diabetes, hypertension or for testing on newborns.

TEST PRINCIPLE

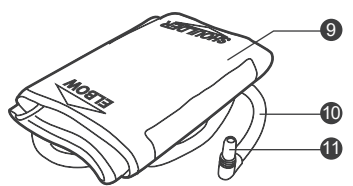
Blood pressure is measured non-invasively at the arm based on oscillometric method.

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

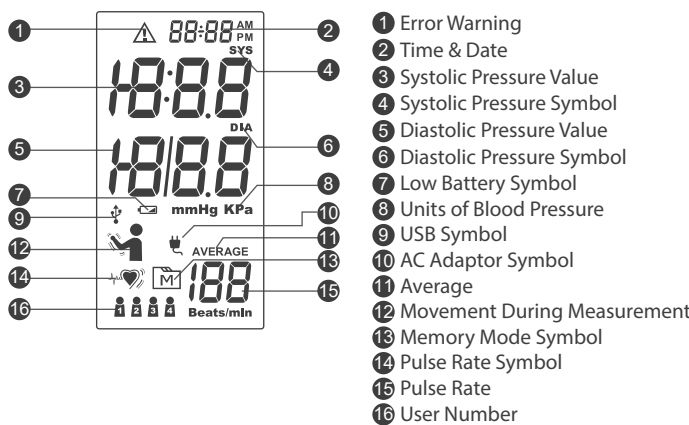


Pressure Cuff



- 1 DISPLAY SCREEN
- 2 M BUTTON
- 3 USER SELECTION BUTTON
- 4 ON/OFF BUTTON
- 5 BATTERY COMPARTMENT
- 6 AC ADAPTER PORT
- 7 USB LINK PORT
- 8 AIR JACK
- 9 PRESSURE CUFF
- 10 AIR TUBE
- 11 AIR PLUG

DISPLAY SCREEN



SETTING THE METER

Before using your meter for the first time or if you change the meter battery, you should check and update these settings. Make sure you complete the steps below and save the desired settings.

Entering the Setting Mode

Start with the meter off. Press and firmly hold **1** for 3 seconds until the meter turns on.

Setting the Date and the Time



With the year flashing, press **M** until the correct year appears. Press **1** to set.



With the month flashing, press **M** until the correct month appears. Press **1** to set.



With the day flashing, press **M** until the correct day appears. Press **1** to set.

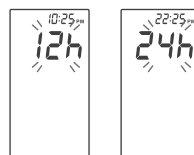


With the hour flashing, press **M** until the correct hour appears. Press **1** to set.



With the minute flashing, press **M** until the correct minute appears. Press **1** to set.

Setting the Time Format



Press **M** to select the desired time format --- 12h or 24h. Press **1** to set.

Setting the Unit of Measurement



Press **M** to select mmHg or Kpa. Press **1** to set.

Delete The Memory



While "dEL" and a flashing " " symbol appears on the display, if you do not wish to delete the saved results, press **1** to skip this step.

To delete **ALL** the results, press **M** twice. "CLR" and " " are displayed on the meter, which indicates that all results have been deleted.

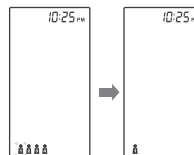
Congratulations! You have completed all settings!

NOTE

- These parameters can **ONLY be changed** in the setting mode.
- If the meter is idle for 3 minutes during the setting mode, it will turn off automatically.

USER NUMBER SELECTION

This system stores blood pressure measurements for up to four users. Each user's test results are stored separately under each user number.



1. Press **1** to select the desired user number.
2. Press **1** to confirm. The monitor will repeat the selected user number and then turn off automatically.

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.

SELECTING THE CORRECT CUFF

Two different cuff sizes are provided with the blood pressure monitoring system: Medium and Wide. Select the cuff size that best matches the circumference of the patient's upper arm.

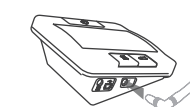


M (Medium size) 25-35 cm (9.8-13.8 inches)
M is the correct size for most people.

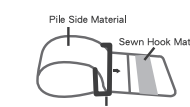


W (Wide size) 24-43 cm (9.4-16.9 inches)

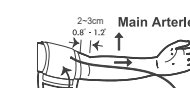
FITTING THE CUFF PROPERLY



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



2. Assemble the cuff as shown. 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 with the air tube and artery mark region toward the lower arm.



Wrap and tighten the cuff above your elbow. The bottom 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.

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.



The range index of cuff should fall within this range

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 **1**. Remain still and do not talk or move during the measurement.

WARNING

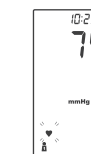
If the cuff is relatively lower (higher) than the heart, the obtained blood pressure value could be higher (lower) than the actual value. A 15 cm difference in height may result in an error around 10 mmHg.

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 **1**. All the LCD symbols will appear. Press **1** to select user " " (numbers from 1 to 4) whose test reading will be stored in its memory. Then the cuff will begin to inflate automatically.



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



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



4. Press **1** to switch off. Or it will switch off automatically after being idle for 3 minutes.

NOTE

- If you press **1** during measurement, the meter 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.

Owner's portion

WARRANTY CERTIFICATE

YEAR WARRANTY

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.

Dealer's portion

WARRANTY REGISTRATION CARD

Name of product: _____

Name of owner: _____

Address: _____

Tel No: (Mobile) _____ (H) _____ (O) _____

Email: _____ Age: _____ Gender: M F

Date of Purchase: / /
day month year

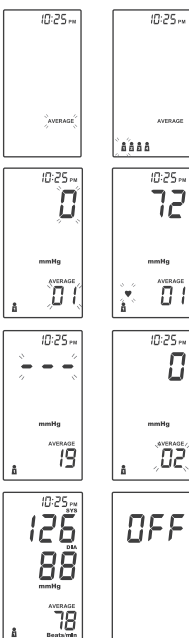
Dealer's Stamp:

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.

AVERAGING MEASUREMENT MODE

Always apply the pressure cuff before turning on the meter.

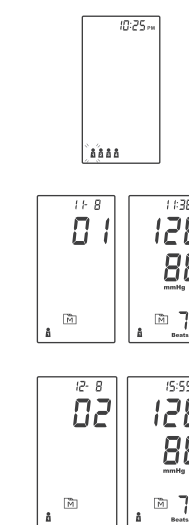


- Press and hold **M** until the meter displays "AVERAGE", then press **1** to select user "1111" (numbers from 1 to 4) whose test reading will be stored in its memory. Then the cuff will begin to inflate automatically.
- After the first measurement is completed, the meter will start counting down before the second measurement begins. The number on the right represents the remaining countdown between each measurement. The meter will take three (3) measurements consecutively with intervals of 20 seconds.
- After taking three measurements, the results are averaged to produce the blood pressure measurement with AVERAGE symbol display on the meter. Press **M** to turn off the meter.

METER MEMORY

Your meter stores the 400 most recent blood pressure test results along with respective dates and times in the meter memory. To recall the memory, **start with the meter off.**

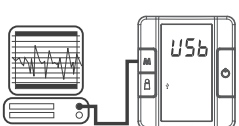
REVIEWING TEST RESULTS



- Press and release M**
The user symbol "1111" (numbers from 1 to 4) appears first, press **1** to select which one you used to store in the memory.
- Press **M** again, and the first reading you see is the last blood pressure result along with date and time.
- Press M**
Review all test results stored in the meter.
- Exit the memory**
Press **M** and the meter will turn off.

DOWNLOADING RESULTS TO A COMPUTER

Data Transmission via Cable



- Connect the USB cable to a serial port on PC**
With the meter turned off, connect the USB cable to the data port located at the side of the meter. "USB" will appear on the display and indicate that the meter is ready to transmit data.

2. Data transmission

Follow the instructions provided in the software to transmit data (results and their corresponding dates and times). Remove the cable or press the On/Off button and the meter will turn off.

NOTE

- While the meter is in transmission mode, it will be unable to perform a blood pressure test.

MAINTENANCE

BATTERY

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

Low Battery Signal

The meter will display either of the two messages below to alert you when the meter power is getting low.



- The Δ symbol** appears along with display messages: The meter is functional and the result remains accurate, but it is time to change the batteries.
- The Δ 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.

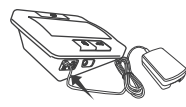
- Press the edge of the battery cover and lift it up to remove.
- Remove the old batteries and replace with four 1.5V AA size alkaline batteries.
- Close the battery cover.

NOTE

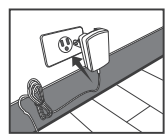
- Replacing the batteries does not affect the test results stored in memory.
- As with all small batteries, these batteries should be kept away from small children. If swallowed, promptly seek medical assistance.
- Batteries might leak chemicals if unused for a long time. Remove the batteries if you 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.

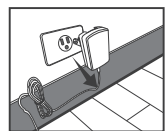


- Connect **AC** adapter plug to **DC** adapter jack of the meter.

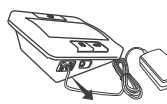


- Plug **AC** adapter power plug into an electrical outlet. Press **M** to start the measurement.

Remove AC adapter from the meter.



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



- Disconnect **AC** adapter plug from **DC** adapter jack of the meter.

CARING FOR YOUR METER

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

Cleaning

- 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.
- Do NOT use organic solvents to clean the meter.
- Do NOT wash the pressure cuff.
- Do NOT iron the pressure cuff.

Meter Storage

- Storage condition: -25°C to 70°C (-13°F to 158°F), 10% to 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

*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 meter under any circumstances.

ERROR MESSAGES

MESSAGE	CAUSE	WHAT TO DO
Δ E-1	Inflation or pressure error.	Please contact local customer service for help.
Δ E-4	Blood pressure measurement error.	Refit cuff tightly and correctly. Relax and repeat the measurement. If error still remains, contact local customer service for help.
Δ E-A	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.
Δ E-E		
Δ E-b	Batteries are too low.	Repeat with new batteries or input AC adapter.
Δ E-5	Appears when the cuff deflates too slow.	Please contact local customer service for help.
Δ E-6	Appears when the cuff deflates too fast.	

TROUBLESHOOTING

- If no display appears after pressing **M**:

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

- 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.

- 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.

- 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

Model no.:	URIGHT BP Master
Power source:	Four 1.5V AA alkaline batteries
Size of meter w/o cuff:	141 (L) x 121 (W) x 72 (H)mm, 350g 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 Maximum 400 memory records
Memory:	USB
External output:	Automatic power off if system idle for 3 minutes
Power saving:	5°C to 40°C (40°F to 104°F), 15% to 93% relative humidity, 700 hPa to 1060 hPa
Operating conditions:	
Storage/Transportation conditions:	-25°C to 70°C (-13°F to 158°F), 10% to 95% relative humidity
Power supply input:	DC +6V / 1A (max) via Power Plug
IP classification:	IP21
Expected service life:	3 years

BLOOD PRESSURE MEASUREMENT PERFORMANCE

Heart rate range:	40 - 199 beat per minute
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
Measurement unit:	Either mmHg or KPa

This device has been tested to meet the electrical and safety requirements of: IEC/EN 60601-1, IEC/EN 60601-1-2, EN 301 489-17, EN 300 328

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

TERMS & CONDITIONS OF WARRANTY

- We warrant this product to be free of defects in workmanship and materials within the said warranty period on the warranty certificate.
- 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.
- 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.
- This warranty does not cover defects caused by misuse, abuse, accident, tampering, lack of reasonable care, fire or any other acts beyond human control.
- 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.
- 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