

2.Regarding storage

Please store the arm tube and the arm rest area together.
When the blood pressure monitor is not in use for a long time (more than 3 months), please take out the battery from the main body and store it in the storage bag.

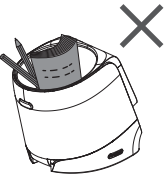
Storage advice

- Do not place the body in the following places:
- A place prone to splashing water.
- Places subject to high temperature, humidity, direct sunlight, dust, salty air, etc.
- Places subject to inclination, vibration, and impact.
- Where chemicals are stored or where corrosive gases are generated.

When the blood pressure monitor is not in use or moving, please do not place items (such as pens, notebooks, power adapters, etc.) in the arm tube. Otherwise, the built-in cuff of the arm tube may be broken or the body may be damaged, resulting in measurement failure.

△ Notice:

Please dispose of the main body and accessories in accordance with the city's relevant environmental protection regulations.



Product specification

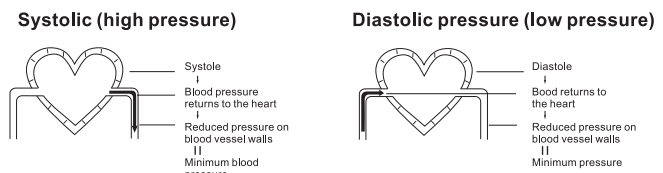
Product name	Automatic Eletronic Blood Pressure Monitor
Display method	Digital display
Measurement methods	Oscillometric method
Measurement site	upper arm
Applicable arm circumference range	Arm circumference 22cm~40cm (central part of upper arm)
Measuring range	Pressure 0~299 mmHg Systolic 50-255 mmHg Diastolic 30-200 mmHg Pulse 40~190 pulses/min
Maximum tolerance of static pressure value	±3mmHg
Pulse of reading	±5%
LED display	Pressure: unit mmHg Pulse: pulse per minute, display three digits Symbols: memory / average / pulse / low battery / arrhythmia reminder
Storage capacity	Can store 199 sets of memory values for 3 people
Power supply	4*AA batteries / Type-C 5V power supply
Power off method	Manual shutdown / automatic shutdown after 3 ± 1 minutes of inactivity
Body weight	Approx. 1090 g (without battery)
Electric shock protection	Class II equipment (internal powered equipment when not using a power adapter), Type BF applied part
Cleaning method	Clean according to manufacturer's recommendations
Safety Classification	Equipment that cannot be used in the presence of flammable anesthetic gas mixtures with air or with oxygen or nitrous oxide
Electromagnetic compatibility	Group 1, Class B Equipment
Battery life	Under normal temperature conditions, the high-performance dry battery can be used about 300 times
Appendix	User's Guide / USB Type-C cable / 4*AA dry batteries
Working environment	Temperature condition: 5°C ~ 40°C Humidity condition: 15% ~93%RH Atmospheric conditions: 86kPa ~ 106kPa
Transportation and storage environment time: less than 3 months	Strong impact, direct collision, sun exposure or rain should be avoided during transportation. The packaged blood pressure monitor should be stored in an environment with a temperature of -20°C to 55 °C, a relative humidity of 10% ~93%RH, and an atmospheric condition of 86kPa~106kPa. No corrosive gas and well-ventilated room. If stored or used outside the manufacturer's specified temperature and humidity ranges, the system may not perform to stated performance specifications

△ Note: The product can not be operated at an altitude of 2000m.

Frequently Asked Questions about Blood Pressure Q&A

Definition of blood pressure

Blood pressure is the pressure at which blood travels through the arteries through the heart's beating (systole and diastole).
The pressure at which the heart pumps blood out to the arteries when the heart contracts is called systolic blood pressure, or high pressure.
The blood that circulates throughout the body returns to the heart, and the pressure when the heart relaxes is called diastolic pressure, which is low pressure.



Q Why is the blood pressure measured at home lower than the blood pressure measured in the hospital?

A If you feel nervous when measuring in the hospital, it will cause the measured value to be high.

Because the mood is stable when measured at home, sometimes the blood pressure value measured in the hospital is 20mmHg ~ 30mmHg (2.7kPa ~ 4.0kPa) lower than that measured in the hospital. It's important to know what your blood pressure normally is when you're calm at home.

A When the arm tube is positioned higher than the heart during measurement, the measured value will be lower.

If the table or platform on which the blood pressure monitor is placed is too high, causing the position of the arm tube to be higher than the heart, the measured blood pressure value will be low.

Q Why is the blood pressure measured at home higher than the blood pressure measured in the hospital?

A If you feel nervous when measuring in the hospital, it will cause the measured value to be high.

People taking blood pressure medication will cause high blood pressure when the drug loses its effect. Please accept the guidance of your doctor.

A Misplacement of the elbow placement may result in high measurements.

If the position of the arm tube is misplaced, the arterial signal cannot be captured, and the measured blood pressure value is too high. Please confirm that the position of the arm and elbow is correct

A If the posture is not correct when measuring, the measured value may be high.

Measurements in postures such as bending over, sitting cross-legged, or bending over on a sofa or low table can increase blood pressure due to abdominal pressure or the position of the arms below the heart.

Q Why do I feel pain or numbness due to the tightening of the cuff when measuring?

A This is a temporary phenomenon and nothing to worry about.

When measuring blood pressure, the arm tube needs to be tightened to temporarily stop blood flow in the arteries, so you may feel some pain and numbness in your arm. After the arm is withdrawn from the arm barrel, it can be relieved by taking a short rest.

Q Why is the blood pressure measured differently every time?

A Are they measured over the same time period?

Blood pressure varies even when measured every 10 seconds throughout the day. For proper blood pressure management, measure at the same time every day.

A Blood pressure fluctuates for various reasons.

Even if you measure at home, the measurement results will change in the following cases.

- Within 1 hour after meal
- After drinking alcohol, coffee, black tea
- After smoking
- After bathing
- After exercise
- After peeing
- Talk during measurement
- When feeling irritable due to nervousness
- When the room temperature changes suddenly
- When the measurement site or environment is different from he past

A If the arm is bruised when the measurement is taken, the measurement is different from the normal measurement.

Congestion caused by poor blood circulation at the fingertips due to pressure on the arm during measurement. When there is congestion, loosen the arm tube, raise the hand above the head, and repeat the clenching and stretching of the palm for about 15 times, and the congestion can be dredged.

Q When is the best time to measure blood pressure?

A The best time to measure blood pressure is within 1 hour after getting up in the morning, or before going to bed at night.

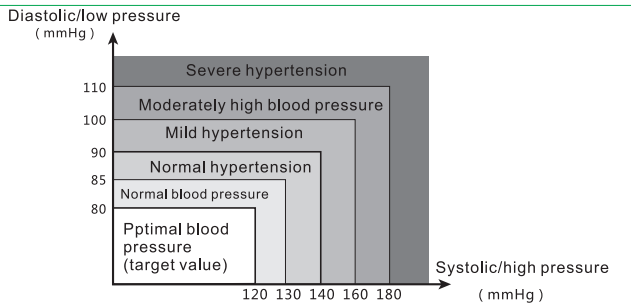
If you measure in the morning, please sit quietly on the seat for 1-2 minutes before starting the measurement within 1 hour after getting up, before breakfast, and after urinating.
If you are taking blood pressure medication, please measure before taking the medicine.

If measuring at night, it is recommended to sit quietly on the seat for 1-2 minutes before going to bed before starting the measurement.
If it is other times, it is better to measure when the body and mood are in a stable state.
Also, it is recommended to take measurements at the same time period every day.

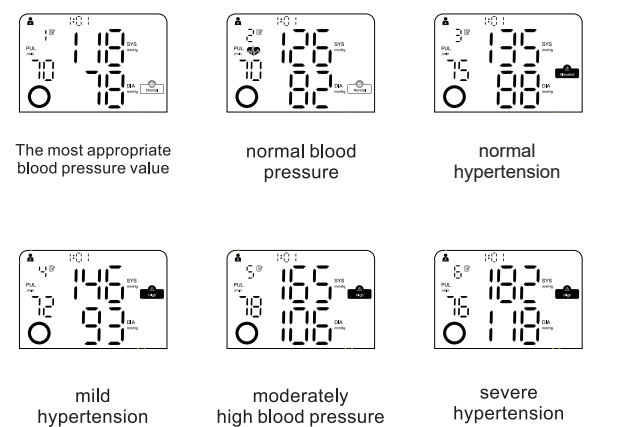
About blood pressure

1.Blood pressure classification class

※ According to the blood pressure classification by the WHO/ISH



2.Blood pressure type



Clinical Accuracy

The product was clinically investigated according to the requirements of ISO 81060-2 and complies with the accuracy requirements of +/-5mmHg at a standard deviation of max. 8mmHg

Reporting adverse events

For the users/patients/customer in EU countries:

If users/patients/customer think that they or someone in the family has experienced a serious incident that has occurred in relation to the device, users/patients/customer are encouraged to report the incident to the manufacturer and the competent authority of the Member State in which the users/patients/customer is established.

EMC Declaration

IEC 60601-1-2:2014/AMD1:2020 ME EQUIPMENT and ME SYSTEMS identification, marking and documents for Class B product

Instructions for use

The ME EQUIPMENT or ME SYSTEM is suitable for home healthcare environments and so on.

Warning: Don't near active HF surgical equipment and the RF shielded room of an ME system for magnetic resonance imaging, where the intensity of EM disturbances is high.

Warning: Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

Warning: Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.

Warning: Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the Automatic Eletronic blood pressure monitor U90B Max , including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.

If any: This automatic blood pressure is intended to measure systolic pressure, diastolic pressure and pulse rate through upper arm. When the device is subjected to severe electromagnetic disturbances, performance degradation such as error reports or abnormal values may occur.

If any: the performance of the ME EQUIPMENT or ME SYSTEM that was determined to be ESSENTIAL PERFORMANCE and a description of what the OPERATOR can expect if the ESSENTIAL PERFORMANCE is lost or degraded due to EM DISTURBANCES (the defined term "ESSENTIAL PERFORMANCE" need not be used).

Technical description

- all necessary instructions for maintaining BASIC SAFETY and ESSENTIAL PERFORMANCE with regard to electromagnetic disturbances for the excepted service life.
- Guidance and manufacturer's declaration -electromagnetic emissions and Immunity.

Guidance and manufacturer's declaration - electromagnetic emissions		
Emissions test		Compliance
RF emissions CISPR 11		Group 1
RF emissions CISPR 11		Class B
Harmonic emissions IEC 61000-3-2		Class A
Voltage fluctuations / flicker emissions IEC 61000-3-3		Compliance

Table 3

Guidance and manufacturer's declaration - electromagnetic Immunity								
Radiated RF IEC61000-4-3 Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communications equipment)	Test Frequency (MHz)	Band (MHz)	Service	Modulation	Maximum Power (W)	Distance (m)	IEC 60601-1-2 Test level (V/m)	Compliance level (V/m)
	385	380 390	TETRA 400	Pulse modulation 18 Hz	1.8	0.3	27	27
	450	430 = 470	GMRS 460, FRS 460	FM ± 5 kHz deviation 1 kHz sine	2	0.3	28	28
	710	704	LTE Band 13, 17	Pulse modulation 217 Hz	0.2	0.3	9	9
	745	787						
	780							
	810	800 960	GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE Band 5	Pulse modulation 18 Hz	2	0.3	28	28
	930		GSM 1800, CDMA 1800, GSM 1900, DECT LTE Band 1, 3, 4, 25, UMTS	Pulse modulation 217 Hz	2	0.3	28	28
	1845	1700 1990						
	1970							
2450	2400 2570	Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7	Pulse modulation 217 Hz	2	0.3	28	28	
5240								
5500	5100 = 5800	WLAN 802.11 a/n	Pulse modulation 217 Hz	0.2	0.3	9	9	
5785								

Table 4

Guidance and manufacturer's declaration - electromagnetic emissions		
Test frequency	Modulation	IMMUNITY TEST LEVEL A/m
30 kHz	CW	8
134.2 kHz	Pulse modulation * 2,1 kHz	65 ˆ
13,56 MHz	Pulse modulation * 50 kHz	7,5 ˆ
a) The carrier shall be modulated using a 50% duty cycle square wave signal. b) r.m.s., before modulation is applied.		

Regulation information

FCC Caution:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC RF Radiation Exposure Statement:

- This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- This equipment complies with RF radiation exposure limits set forth for an uncontrolled environment.
- The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CE Caution:

Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

Radio-frequency exposure:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Hereby, Shenzhen Urion Technology Co.,Ltd. declares that this product is in compliance with essential requirements and other relevant provisions of Directive 2014/53/EU. This product is allowed to be used in all EU member states.

Frequency bands	Maximum output power
BLE	-8.29 dBm (EIRP)



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Preface

Thank you for purchasing the wrist-type electronic blood pressure monitor.
In order to use this product safely and to avoid harm or loss due to improper use, please be sure to read this manual carefully and use it correctly before using the product.
After reading, please keep it in a safe place for future reference. A warranty card is included; please do not lose it.

The illustrations in this manual are for reference only.

Due to the structural design of the product, the blood pressure monitor cuff has various names such as cuff, watch strap, airbag, etc. To ensure clear and accurate expression, this manual uses watch strap (including the airbag) throughout.

Product Quality Assurance

Product Quality Assurance

- From the date of purchase of this product, the company will provide free postage warranty service within 3 months, and the company will provide free warranty service within 3 months and 2 years, and the user shall bear the relevant postage.
- Our company does not provide free warranty service for the following failures caused by the user's personal reasons, as follows:

- Failure caused by unauthorized disassembly and modification of the product;
- Internal failure of the fuselage caused by accidental drop during handling or use;
- Failures caused by improper use or lack of reasonable maintenance;
- Failures caused by failure to operate according to the correct knowledge in the instruction manual;
- Failures caused by natural disasters, such as flooding, fire, etc.;
- The failure caused by the rupture of the internal airbag and the failure to pressurize due to the cuff being injured by a sharp object;
- Failures, etc. caused by improper repairs by repair shops not authorized by the company.

- When requesting free service, you must present a valid warranty card and proof of purchase.
- When requesting warranty service, please bring this product to the point of sale for repair.

- Repair services outside the scope of warranty will be charged according to regulations.
- The equipment is factory calibrated and can be calibrated according to local requirements. Use period: 5 years.
- When the machine and battery are discarded, please follow the relevant local regulations.
- Information such as circuit diagrams can be provided as required for professional maintenance personnel.
- Please contact the manufacturer for the static pressure measurement mode of the blood pressure monitor and the method of entering the static pressure mode.