

Arm Blood Pressure monitor



User manual

(Bluetooth)



Model: BPM-A7VL

Version: [V1.1](#)

Software version: [V1.4](#)

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Shenzhen IMDK Medical Technology Co., Ltd

Please read the user's manual closely before using !

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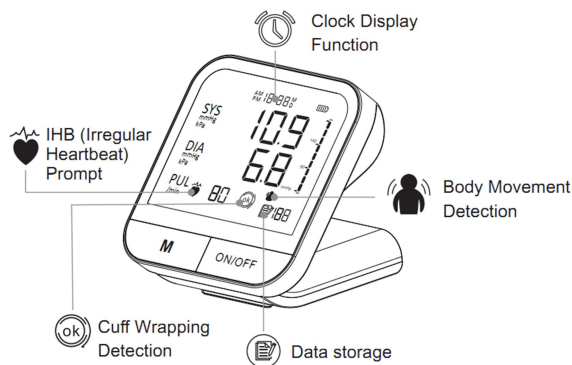
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Foreword

Thank you for choosing Arm Blood Pressure monitor.This product is used to measure adult’s systolic and diastolic blood pressure and pulse on upper arm. It is mainly used in the home setting and primary care setting.

 This product is made by precise components; please keep it away from high temperature, humidity, sunshine, shake, and dust. For your correctly use, please make sure you have read this user manual. Please keep it after read, in case you can refer again someday.

Product Features



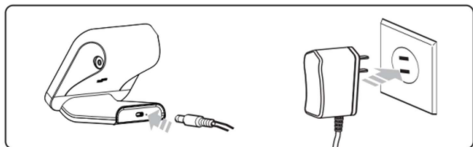
Operation guide

This device uses the oscillometric method of blood pressure measurement.

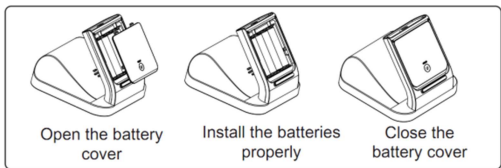
Please follow the steps as shown below

Power-on

Connect the power source

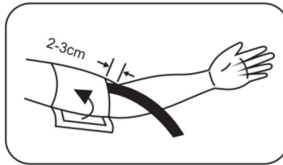
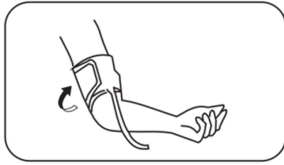


Or install four AA batteries



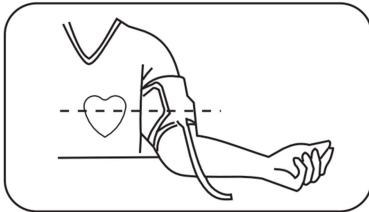
Measurement

1.Using method of cuff Wearing the cuff and make the lower edge 2~3cm above the elbow, keep the air tube inside of the arm.



2.Measuring posture

Sit straightly,keep the center of cuff and heart at the same level.



3. Start measuring

Sit still for 5 minutes and then Press the “ON/OFF” Button to measure.

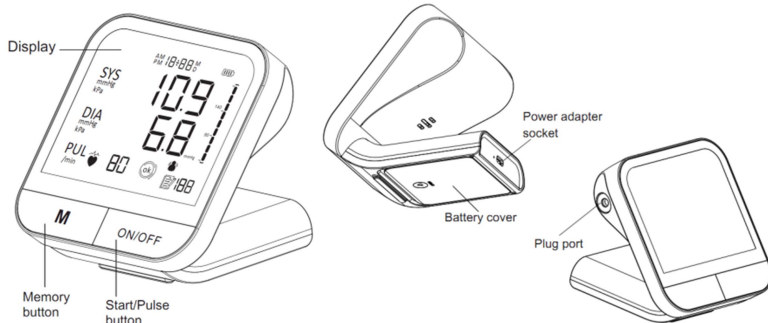
Check the records

Press the button of “M” check the measuring records.

This monitor can display the average measurement and store 99 records.

Parts

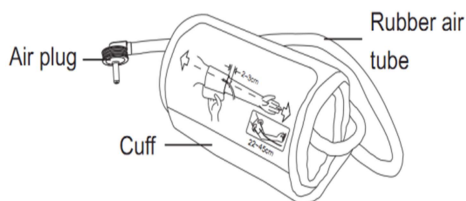
1. Main part



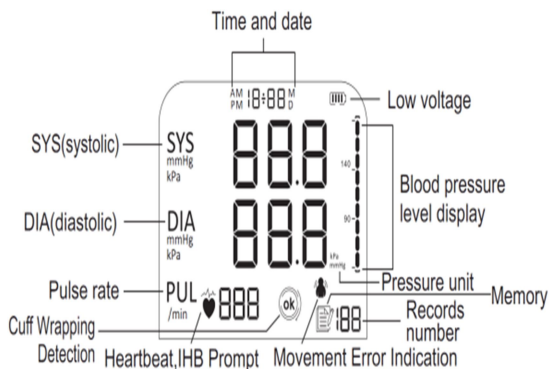
2. Cuff

The suitable upper-arm circumference:

23~33cm&32~47cm



3. Display



















Important notes



Signs and symbols

Pay attention with the symbols shown here to prevent harm or damage to the user.

Warning symbol	Meaning
	Attention! It might cause damage
	Prohibited
	Note on important information
	Read the user manual carefully before using this device
	Type BF application part
	Fragile
	Keep Dry
	CE marking in conformity with 2017/745/EU MDR
	AUTHORISED REPRESENTATIVE IN THE EUROPEAN COMMDEVICEY
	Date of manufacture
	Batch code

	The device and accessories and the packaging have to be disposed of waste correctly at the end of usage. Please follow local ordinances or regulations for disposal.
	Manufacturer
IP21	The first number 2: Protected against solid foreign objects of 12.5 mm Φ and greater. The second number 1: Vertically falling drops shall have no harmful effects.
	Serial number
	Recyclable
	bluetooth icon

1. Range of application

- This Product is intended to measure the blood pressure and pulse rate of adult at household or medical center (not suitable for neonate , pregnancy or pre-eclampsia.)

2. Warning

This product is intended to measure the blood pressure and pulse rate of adult at household or medical center (not suitable for neonate, pregnancy or pre-eclampsia. Pay attention to the following points when measuring or it may cause the incorrect results .Sit still for 5 minutes before measuring to ensure quiet and stable mode.

- Do not take the measurement within 1 hour of eating, smoking, drinking wine or coffee (black tea).
- Do not measure while standing, walking or having body pressed.
- Do not take the measurement at extreme temperature condition or the varied severely environment.
- Do not take the environment after sport or bath.

- Do not speak, move, shake arm or bend fingers while measuring.
- Do not take the measurement in a moving vehicle.
- Do not measure continuously. (5 minutes or more should be spared between two measurements).
- Please reinstall the batteries and start again if cannot measure.
- For patient of arrhythmia, measuring results may not be accurate.
- Do not keep the cuff in the inflated state for a long time.
- The patient is an intended operator, this monitor is used for adult whom more than 12 years old.
- The adapter cable may cause accidental strangulation in infants.
- Do not swallowed small parts that may cause choking hazard.
- The device must not be used with high frequency surgical equipments.
- It will affect the measurement accuracy if the arm circumference is out of the given value.
- Do not use the cuff on the arm where the side of a mastectomy.
- Note that It will lose function on the same limb while cuff inflating.
- Do not allowed frequent measurements the resulting restriction of the blood flow may cause injury.
- Avoid compression or bending of the cuff connection tubing while using the device.
- Please use the alkaline battery, do not use the rechargeable battery.
- According to the local laws and regulations to deal with device and battery.
- The patient operator could not touch the battery and DC socket. Or the operator could not touch the patient and the battery and DC socket at the same time.
- The different type battery might result in measurement error. Please follow the battery requirement of manufacturer.
- To report unexpected operation or events.
- Please disconnect the plug of adapter with mains when you need to safely terminate operation of ME

EQUIPMENT.

- When it is dirty in single patient daily use lean the monitor with soft dry cloth.If it is necessary,please use wiped soft cloth with water before cleaning by soft cloth.Then clean the device with 75% alcohol.
- When multiple patients use between uses on different patients leaning with 75% alcohol must be conducted after each use.
- Do not let the alcohol flow into the monitor and arm cuff.
- 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.
- 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.
- 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."
- 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 equipment, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.



Note : Do not diagnose with the measurement,Please follow doctor's instruction.

Statement: If the monitor has not been stored in the required temperature and humidity range ,it may not conformance to specification.

Maintenance



Please observe the following items to protectthe device and ensure the accuracy of measurement.

- Please store the monitor and accessories in high temperature, moisture, dust or exposure to sunshine.
- The cuff contains an airbag inside, please care in applications, do not fold,pull or twist it.

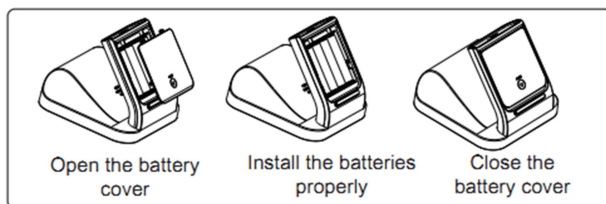
- Do not modify the device without authorization.
- Do not replace the parts without authorization.
- Please clean the monitor with soft dry cloth.If it's necessary, please use wiped soft cloth with water or 75% alcohol before cleaning by softdry cloth.
- Using absorbent cotton to wipe gently with rubbing alcohol, disinfection of the machine when it necessary.
- Do not clean with detergent. Do not allow water to seep into the equipment.



Tipes!


We suggest to calibrate the monitor (at least once a year) according to local laws and regulations .Please contact the manufacturer or agent if need.

Battery installation

- Open the battery cover and install four AA batteries properly .Then close the cover with a click sound.
- Aligning the +ve and poles of each battery with the +ve and -ve signs imprinted on the battery housing of the device.



- The “” icon displayed means the battery is low.
- The “” icon twinkled means the battery is running out .Please replace all the batteries.
- Please take out the batteries if the monitor will not be used for a long time (over three months).

 Note: 6V/1A DC external power can be connected to the monitor. (The power adapter is optional. The USB power supply and adapter meet the requirements of GB 9706.1-2007)

- Please take out the batteries if use the DC external power for a long time (more than one month).

Time and date setting

The monitor will store the measuring results automatically by the management system. It's necessary to reset time and date after installing new batteries or connecting to DC power. Please operate as following steps. (For example: setting the date as 2023-1-01 and time as 08:28)

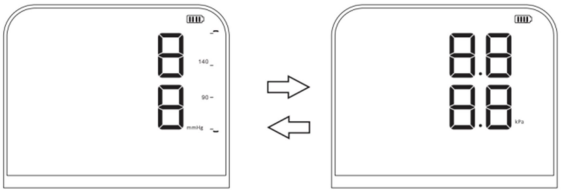
- 1. Year setting :Press the “M” button and “ON/OFF” for more than 3 seconds till the number starts flashing.
- 2. The year increase once press the “M” button.
- 3. Press the “ON/OFF” button to switch to the month setting.
- 4. Using the same way for other settings.



Pressing the “ ON/OFF ” button to enter the voice setting. The size of the sound ranges from 01 to 05 and OFF. Press “M” choose the volume.

Mm Hg/kPa setting

After finishing the volume setting, pressing the “ON/OFF” button to enter the mmHg/kPa unit setting. Press the “M” button to switch between these two pressure units. Finish by pressing the “ON/OFF” button.



After unit setting, press the “ON/OFF” button to shut down.

Attention:

In the condition of kPa unit measurement without voice prompt.

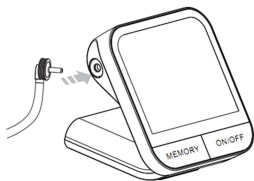
Tips!

Either of arms can be measured.

Using method of cuff

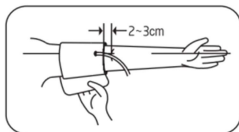
Cuff connecting

Connect the air connector of the cuff to the socket which on the left side of the monitor.



Using method of cuff

- Wind the cuff around the upper arm.(as shown In the picture) Keep the lower edge of the cuff at the position above 2-3cm to the elbow joint and keep the air inlet which insert to the cuff at the inner side of arm.



- Stick the cuff tightly.

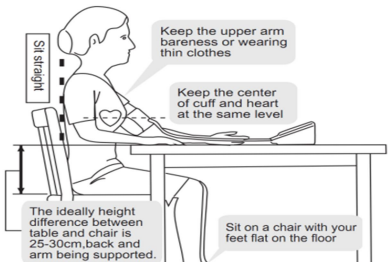
⚠ Note: The cuff should be wearing comfortably, avoiding too tight or loose.



- Sit straight and flat the arm on table with palm up, also keep the center of cuff and heart at the same level. Also please ensure the air tube not twisted.



Measuring posture



Wrong measurement postures

- Do not bend down or body bend forward.
- Do not sit with legs crossed.
- Do not sit on a sofa.(Belly pressure may increase the blood pressure)
- Do not put the arm on the low table.(May increase the blood pressure)



Start measuring

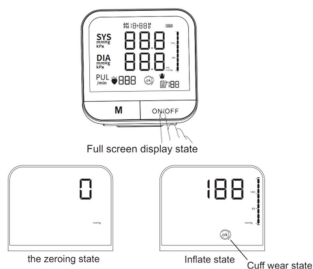
Don't eat, smoke, drink, take bath or do any high impact sport within an hour before measuring.

Measurements shall be taken at the same time every day.

Sit still for 5 minutes before the measurement

1. Measurement

All icons on screen appear for 1 sec after pressing the "ON/OFF" button, then disappear. After that the deflation icon flickers which means the system is in zero testing. Several seconds later the inflation icon flashes which means the zero testing is finished. Then inflation starts.



The monitor starts measuring automatically after inflation finished, and the measuring icon "❤️" starts to

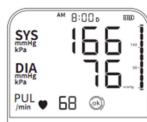
flicker, pressure release value starts to decrease gradually.



measurement state

2. Measurement finished

After measurement, the monitor will show the SYS, DIA and pulse rate. then deflate the air automatically.



mmHg display



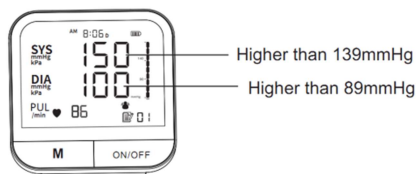
kPa display

3. Take off the cuff

4. Shut down Press the " ON/OFF "button to shut down. Also it will power off automatically in 3 mins without any operation.

Blood pressure range indicator

- If the SYS is higher than 139 mmHg or DIA higher than 89 mmHg means having high blood pressure. Please contact with doctor for advice.
- Also the Blood pressure range indicator can show the blood pressure intuitively.




Tips

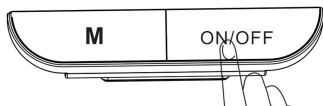
- The time interval between two measurements should be at least 5 minutes or longer.
- Estimate the blood pressure condition according to the BP classification table, and consult the doctor.


Memory function

Tips


The monitor will store the measurement data automatically (including time, date, blood pressure and pulse), and the upper limit of records is 100. Press the "  "button to check the records.

Emergency stop during measurement If the measurement need stoping for uncomfortableness or other reasons, please press the "ON/OFF" button, the measurement will stop immediately and air releases fast. Take off the cuff manually if the "ON/OFF" button is not working




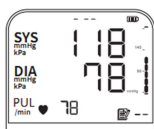
 Warning: Upper limit pressure of air inflation is 295mmHg/39.2kPa.

Don't keep the inflated state for a long time to avoid damage.

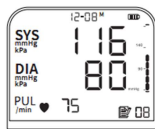
1. Press the " "button for the records.

A. Press the " "button to show the average value of the latest 3 times measurement.

B. Repress the " "button to display the 1st group of memory, the serial number is displayed as "1~99".



The average value




The 1st group of memory

Tips

The the data may be replaced by the 98th when the memory capacity is full. The 1st data may be replaced by the new data.

C. Read the "recorded data by pressing the "  "button as the sequence: "1""2"....."99"(max).

D. Press the "ON/OFF" button to shut off the monitor.

2. Delete the recorded data Press the both " " and "ON/OFF "button until the display shown as the following picture, which means the recorded data is cleared.

Press the "ON/OFF" button to turn off the monitor after deleting.





Note: This operation will delete all the recorded data.

Auxiliary measuring function

Cuff Wrapping Detection

If the cuff winded properly, it will show the 'OK' icon. then press the "ON/OFF" button to stop and wind properly to measure again. (please refer to page 17 to 18 for show to properly wrap the cuff.)

Body Movement Detection

It will show the "Person with motion lines" icon, if body moves when measuring. Please measure again or it will show inaccurate results.

Technical parameters

1 Product features

- Large screen display
- Voice broadcast
- 99 groups of data storage
- Cuff wearing tips
- Malfunction prompt

2 Technical parameters

Display mode: LCD digital display

Measurement method: oscillographic method

Measuring range:

Pressure measurement range: 0~290mmHg (0~38.7kPa)

Pulse rate: 40-200 times / min.

Precision: pressure: within $\pm 3\text{mmHg}$ ($\pm 0.4\text{kPa}$)

Pulse rate: within $\pm 5\%$ of reading

Operation mode classification: continuous operation **Electrical safety classification:** internal power supply

equipment Class II equipment, BF application part

Equipment type: non AP/APG equipment (equipment that cannot be used when there is flammable anesthetic gas mixed with air or flammable anesthetic gas mixed with oxygen or nitrous oxide) Ingress

protection degree: IP21

Pressure sensor: semiconductor pressure sensor

Pressurization mode: automatic pressurization by pressure pump

Exhaust mode: automatic fast exhaust

Power adapter parameters: Output DC 5V 1A

USB cable, length 1m (optional)

Battery life: After the battery is fully charged, it can be measured for about 300 times [at room temperature of 23°C, At each pressurization to 190mmHg(25.3kPa)

Suitable arm circumference: 23~33(cm) & 32~47CM

Overall dimension: about long 110 x Width 103 x Height 103 (mm)

Machine weight: about 280g

Statement: The blood pressure value measured by this device is equivalent to that measured by auscultation, and its error meets the requirements of YY 0667-2008. Please call the customer service hotline for relevant instructions.

3 Product operation and usage conditions:

temperature and humidity: +5°C~+40°C 15%RH~80%RH Working **atmospheric pressure:** 80~106kPa

Transportation and storage **temperature and humidity:** -20°C~+55°C

Common questions of blood pressure measurement

1. What is blood pressure?

Blood pressure is the force exerted by blood against the walls of the arteries. Systolic pressure occurs when the heart contracts. Diastolic pressure occurs when the heart expands. Blood pressure is measured in millimetres of mercury (mmHg). One's natural blood pressure is represented by the fundamental pressure, which is measured first thing in the morning while one is still at rest and before eating.

2. What is Hypertension and how is it controlled?

Hypertension, an abnormally high arterial blood pressure, if left unattended can cause many health problems including stroke and heart attack. Hypertension can be controlled by altering lifestyle, avoiding stress, and with medication under a doctor's supervision. To prevent Hypertension or keep it under control: Do not smoke, exercise regularly, reduce salt and fat intake, have regular physical checkups, maintain proper weight.

3. Why measure Blood Pressure at home?

Blood pressure measured at a clinic or doctor's office may cause apprehension and can produce an elevated reading, 25~30 mmHg higher than that measured at home. Home measurement reduces the effects of outside influences on blood pressure readings, supplements the doctor's readings and provides a more accurate, complete blood pressure history.

4. WHO Blood Pressure classification?

Standards to assess high blood pressure, without regard to age, have been established by the World Health Organization (WHO) as shown below:

Range	Systolic pressure kPa/mmHg	Diastolic pressure kPa/mmHg	Counter measures
Ortho-arteriotomy	12.0~18.5kPa 90~139mmHg	8.0~11.9kPa 60~89mmHg	Self check
Mild hypertension	18.7~21.2kPa 140~159mmHg	12.0~13.2kPa 90~99mmHg	Consult dr.
Medium hypertension	21.3~23.9kPa 160~179mmHg	13.3~14.5kPa 100~109mmHg	Consult dr.
Severe hypertension	≥24.0kPa ≥180mmHg	≥14.7kPa ≥110mmHg	Danger! Go to hospital as soon as possible



Note: There is no definition about hypotension, and generally SYS (systolic pressure) less than 90mmHg or DIA (diastolic pressure) less than 60mmHg is called hypotension.

5. Blood pressure variations ?

An individual's blood pressure varies greatly on a daily and seasonal basis. It may vary by 30 to 50 mmHg due to various conditions during the day. In hypertensive individuals variations are even more pronounced.

Normally, the blood pressure rises while at work or play and falls to its lowest levels during sleep. So do not be overly concerned by the results of one measurement.

Take measurements at the same time every day using the procedure described in this manual to get to know your normal blood pressure. Regular readings give a more comprehensive blood pressure history.

Be sure to note date and time when recording your blood pressure. Consult doctor to interpret the blood pressure data.

6. When is the best time to measure blood pressure?



- After urination, before breakfast in the morning.
- Before sleeping at night.
- Before taking medicine.
- Please keep a stable body state and mind every time measuring. We suggest taking measurements at a same time every day!

Common fault and trouble shooting

Common fault	Solutions
It doesn't work after pressing the " ON/OFF " button with batteries installation	Check the batteries are installed correctly
	Replace new batteries
Multiple occurrences of measuring failure, or measured value is low (or high)	Check the connection and winding of cuff
	Check if the cuff winded too tight or too loose. Take off your clothes if rolled too tight
	Please ensure a quiet, relaxed body state o. Deep breathing to relax yourself before measurement
The monitor is in good condition, but the each measuring result are different	Please read the blood pressure variations carefully
The value is different from that measured at a clinic or doctor's office	Write down the value every day. and consult a doctor
Pump works, but the pressure doesn't rise	Check whether the cuff has connected well

The table below shows the possible fault displaying icon, possible reason, and solutions.

Wrong indication	Fault cause	solution
Err4	Unable to measure pressure	Fasten cuff correctly before measurement
Err5	Pressurizing error	Check if there is air leakage from the cuff

Err6	Pressurizing error Caused by arm or body motion	Keep arm and body still and measure again
Err7	Cuff is too loose or falls off	Fasten cuff tightly
Err8	Pressure exceeds the maximum value (300mmHg)	Measure again please
Showing low voltage icon" 	Battery is low	Replace new batteries
The "  "icon twinkle	Battery is running out	Replace new batteries



Warning: If the situations cannot be solved or an unexpected problem happens, please consult the local distributor.

Technical parameters

- Model: BPM-A7VL
- Display: LCD digital display
- Measuring: Oscillation mensuration method
- Measuring range: 0-290mmHg
- Pulse rate: 40-200 time/min
- Precision: Pressure: ± 3 mmHg (± 0.4 kPa) Pulse: $\pm 5\%$ of reading value
- Power supply: d.c. 5V \sim 1A & Battery: d.c. 6V (4*1.5V AA Batteries)
- Battery life: 300 times
- Cuff size: 23~33cm & 32~47cm
- IP Classification: IP21
- Service life: 5 years or 50 thousand times
- Weight: Approx 280g
- Dimension: Approx 110x103x103(mm)
- Operating: +5°C to +40°C / 15% to 80%

Temperature: RH(non-condensing)/Humidity

- Storage temperature/Humidity
-20℃ to +55℃/10% to 93% RH(non-condensing)
- Operating/Storage 80kPa to 106 kPa atmospheric pressure

There is the potential risk of radio frequency interference between the device and other devices. If there is, please find out the problems and take the following measures:

- (1) Turn off the device, and turn on again.
- (2) Change the direction of the device.
- (3) Keep the product away from the interferential devices

Quality promised and service

The guarantee time is Five year after you buy the device.

Notice: If the device is damaged by your irregular use or disassembly, the device will be not covered by the warranty.

Tips: Please keep the guarantee card and the buying receipt, which is very useful when you need to amend it.

Attachment list

main unit

- 1 cuff
- 1 bag;
- 1 user manual;
- 1 USB cable(Optional)
- 4 1.5 AA batteries(Optional).

“WARNING:

The use of accessories, sensors and cables other than those specified (except for the accessories, sensors and cables sold by manufacturers of the device) as replacement parts of internal components may result in increased emissions or reduced immunity of ME equipment or ME systems.”

Manufacturer 	Shenzhen IMDK Medical Technology Co., Ltd 904, 9F, Guangming Tianan Cloud Park Building, 255 Zhenmei Road, Zhenmei Community, Xinhua Street, Guangming District, 518107 Shenzhen, OF CHINA
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FCC Warning

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.

NOTE 1: 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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

EMC Guidance

Warning: Don't use 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 12 in (30 cm) to any part of the equipment, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.

Guidance and manufacturer's declaration -electromagnetic emissions and Immunity

Table 1

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	Comply

Table 2

Guidance and manufacturer's declaration - electromagnetic Immunity		
Immunity Test	IEC 60601-1-2 Test level	Compliance level
Electrostatic discharge (ESD) IEC 61000-4-2	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air
Electrical fast transient/burst IEC 61000-4-4	± 2 kV power supply lines ± 1 kV signal input/output 100 kHz repetition frequency	± 2 kV power supply lines 100 kHz repetition frequency
Surge IEC 61000-4-5	± 0.5 kV, ± 1 kV differential mode ± 0.5 kV, ± 1 kV, ± 2 kV common mode	± 0.5 kV, ± 1 kV differential mode
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	0 % UT; 0.5 cycle. At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315°. 0 % UT; 1 cycle and 70 % UT; 25/30 cycles; Single phase: at 0°. 0 % UT; 250/300 cycle	0 % UT; 0.5 cycle. At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315°. 0 % UT; 1 cycle and 70 % UT; 25/30 cycles; Single phase: at 0°. 0 % UT; 250/300 cycle

Power frequency magnetic field IEC 61000-4-8	30 A/m 50Hz/60Hz	30 A/m 50Hz/60Hz
Conducted RF IEC61000-4-6	3 V 0.15 MHz – 80 MHz 6 V in ISM and amateur radio bands between 0.15 MHz and 80 MHz 80 % AM at 1 kHz	3 V 0.15 MHz – 80 MHz 6 V in ISM and amateur radio bands between 0.15 MHz and 80 MHz 80 % AM at 2Hz
Radiated RF IEC61000-4-3	10 V/m 80 MHz – 2.7 GHz 80 % AM at 2Hz	10 V/m 80 MHz – 2.7 GHz 80 % AM at 2Hz
NOTE UT is the a.c. mains voltage prior to application of the test level.		

Table 3

Guidance and manufacturer's declaration - electromagnetic Immunity						
	Test Frequency (MHz)	Band (MHz)	Service	Modulation	IEC 60601-1-2 Test Level (V/m)	Compliance level (V/m)
Radiated RF IEC61000-4-3 (Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communications equipment)	385	380 –390	TETRA 400	Pulse modulation 18 Hz	27	27
	450	430 –470	GMRS 460, FRS 460	FM ± 5 kHz deviation 1 kHz sine	28	28
	710	704 – 787	LTE Band 13, 17	Pulse modulation	9	9
	745			217 Hz		
	780					
	810	800 – 960	GSM 800/900,	Pulse	28	28
	870		TETRA 800,	modulation		
	930		iDEN 820,	18 Hz		

			CDMA 850, LTE Band 5			
	1720	1 700 – 1 990	GSM 1800; CDMA 1900; GSM	Pulse modulation 217 Hz	28	28
	1845					
	1970					
	1990					

Table 4

Guidance and manufacturer's declaration - electromagnetic Immunity				
Radiated RF IEC61000-4-39 (Test specifications for ENCLOSURE PORT IMMUNITY to proximity magnetic fields)	Test Frequency	Modulation	IEC 60601-1-2 Test Level (A/m)	Compliance level (A/m)
	30 kHz	CW	8	8
	134.2 kHz	Pulse modulation 2.1 kHz	65	65
	13.56 MHz	Pulse modulation 50 kHz	7.5	7.5