



注：此中虚线仅作工艺示意，无实际生产意义。

技术要求：

材质：80g双胶纸

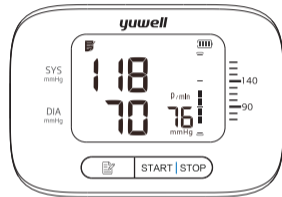
尺寸：180x90mm（成型尺寸：90\*90mm）

骑马订

第6页中标识“”图标中蓝色部分保持蓝色印刷：C90%，M60%，Y10%，K0

					YE8300B说明书 (CE)	YY-BPM1018C-01			
						图样标记	数量	重量	比例
标记	处数	更改文件号	签字	日期		B			1:1
设计			视角		80g双胶纸	共 1 张		第 1 张	
制图			工艺			 让科技律动生命 江苏鱼跃医疗设备股份有限公司			
审核			版本	A/0					
批准			日期						

# yuwell



## YE8300B

### Electronic Blood Pressure Monitor

## User's Manual

Please read the user's manual closely before using!



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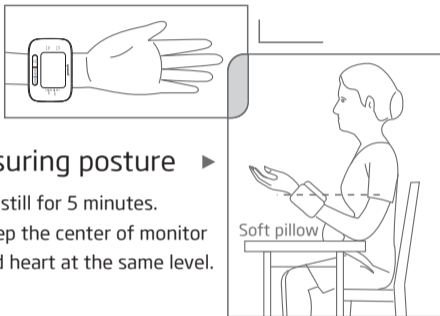
[www.yuwell.com](http://www.yuwell.com)

Date of issue: 2024.05

YY-BPM1018C-01(A/0) 

## Using method

- Wear the monitor on the wrist as the following picture.
- The suitable circumference for wrist is 13.5cm~19.5cm.



## Measuring posture

- Sit still for 5 minutes.
- Keep the center of monitor and heart at the same level.



















## Start measuring

- Press the [ START|STOP ] button to start measuring.
- Do not speak or move while measuring.
- Don't eat, smoke, drink, take bath or do any high-intensity sports within an hour before measuring.

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## Important notes

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

	Caution			
	Note on important information			
	Type BF application part			
	Follow instructions for use			
		Date of manufacture		
	EC-Representative			
	DC	Direct current		
	Recover waste electrical and electronic equipment			
		Keep Dry		Keep Upright
	Indicates a carrier that contains unique device identifier information			
<b>IP22</b>	IP Classification		CE marking and notify body number	
	Batch code		An item which poses unacceptable risks to the patient, medical staff or other persons within the MR(magnetic resonance) environment.	
	Serial Number			
	Indicates the item is a medical device			

## Important notes

**Statement:** The device is a medical device.

### 1. Intended purpose

This product is intended to measure the blood pressure and pulse rate of adult more than 12 years old and with wrist circumference ranging from 13.5 cm to 19.5 cm at household or medical center (not suitable for neonate, pregnancy or pre-eclampsia).

### 2. Attention items

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 while standing, walking, lying down or having body pressed.
- Do not take the measurement after smoking, drinking wine or coffee (black tea).
- Do not take the measurement after sports or bath.
- Do not speak, move, shake arm or bend fingers while measuring.
- Do not take the measurement at extreme temperature condition or the varied severely environment.
- The incorrect measurements of the equipment may be caused by external interference, such as accelerating during transportation or transportation.

## Important notes

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- It will affect the measurement accuracy if the wrist circumference is out of the given value.
- Do not measure continuously (2~3 minutes or more should be spared between two measurements).
- Do not use mobile phone near the monitor.
- The patient is an intended operator, this monitor is used for adult whom more than 12 years old.
- Do not swallow small parts that may cause choking hazard.
- The device must not be used with high frequency surgical equipments.
- Warning: Do not use the CUFF over a wound arm or being on an intravenous drip.
- Warning: Do not use the device if the arm where intravascular access or therapy, or an arteriovenous (A-V) shunt is present because of temporary interference with blood flow and could result in injury to the patient.
- Warning: Do not use the cuff on the arm where the side of a mastectomy or lymph node clearance.
- Warning: It will lose function of other monitor simultaneously on the same limb while cuff inflating.
- Warning: Do not allow frequent measurements, the resulting restriction of the blood flow may cause injury.
- Please use the alkaline battery, do not use the rechargeable battery.
- The different type battery might result in measurement error.
- Please follow the battery requirement of manufacturer.

## Important notes

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- Please using soft dry cloth stained with 75% alcohol to clean the device in the case of many people use it, but do not let the alcohol flow into the monitor and cuff.
- According to the local laws and regulations to deal with device and battery.
- Please report serious incident that has occurred in relation to the device to the manufacturer and the competent authority of the Member State.
- Please pay attention to product storage to prevent damage caused by pets, pests or children.
- According to the local laws and regulations to deal with the device and battery.
- Note: Do not diagnose with the measurement. Please follow doctor's instruction.
- Note: Software version can be viewed in engineering mode by designated person. This mode is not accessible for regular users, and please contact the manufacturer for method to enter into the mode.
- Statement: If the monitor has not been used and stored in the required temperature, altitude and humidity range, it may not conformance to specification.

### Tips!

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

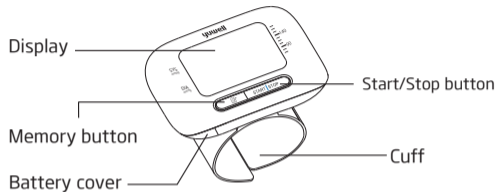
Please observe the following items to protect the device and ensure the accuracy of measurement.

- Please store the monitor and accessories properly after use.
- Do not place 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.
- Warning: Do not disassemble or repair the device without authorization or modify the device without authorization.
- Do not service or maintain while the device is in use.
- Using soft dry cloth or soft cloth stained with little water to clean the device in the case of single people use it, but do not let the water flow into the monitor and cuff.
- Using soft cloth stained with 75% ethanol to clean the device in the case of many people use it, but do not let the ethanol flow into the monitor and cuff.
- Manufacture will make available on request circuit diagrams, component part lists, descriptions, calibration instructions, or other information that will assist service person to repair those parts of the device that are designated by the manufacture as repairable by service person.
- Degraded sensors can degrade performance.

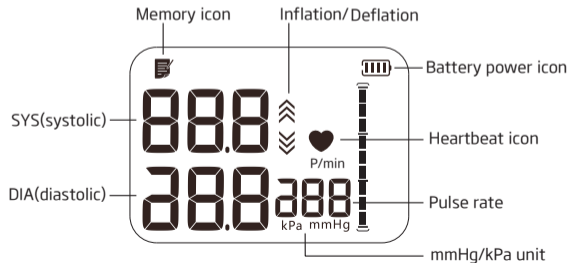
### Tips!

We advice to calibrate the monitor according to local laws and regulations (at least once a year) .

## 1. Main part



## 2. Display

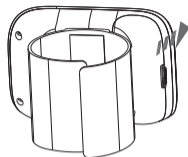


### 3. Accessories

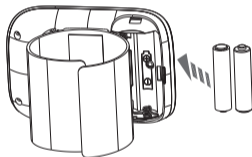
- ◆ 2 AAA batteries
- ◆ User's manual(Warranty card)

1. Open the battery cover as the direction of the arrow.

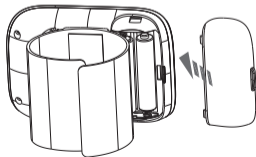
⚠ Note: Press the two sides bulge of the battery cover tightly and pull outward.



2. Install two AAA batteries properly.



3. Close the cover.

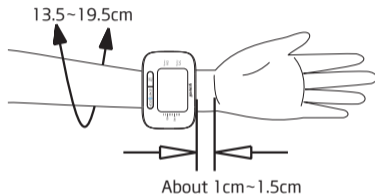


## Battery installation

- If accidentally strayed the electrolyte of battery into eyes, skin or cloth, please rinse with plenty of water.
- The "🔋" icon means the battery is low. Please replace all the batteries.
- Please take out the batteries if the monitor will not be used for a long time (over three months).
- Please do not mix new batteries with old batteries .
- Please dispose batteries in accordance with the local environmental law.

## Using method of cuff

1. Please wear the cuff on bare wrist, do not leave cloth inside of the cuff. Maintain the cuff is not too loose or too tight.
2. The distance between palm and the end of monitor should be about 1.0cm~1.5cm.



3. Please stick the cuff firmly. Or it may get loose while measurement and affect the results.
4. Wind the spare part of cuff properly.

### Tips!

Both wrists can be measured. Do not measure other parts of the body.



## Measuring posture

1. Sit straightly and keep relax. (as Figure 1)  
⚠ Do not bend down or body bend forward.
2. Take 3 ~ 4 deeply breath then relax shoulder and arm before measurement.
3. Keep the monitor and heart at the same level. Do not talk, move, shake hand or bend fingers while measurement. We suggest supporting the arm with a soft pillow.



Figure 1

The correct posture for measuring blood pressure:

- 1) comfortably seated,
- 2) legs uncrossed,
- 3) feet flat on the floor,
- 4) back and arm supported, and
- 5) middle of the CUFF at the level of the right atrium of the heart;

## Measuring posture

The correct wrist posture (as Figure 2)

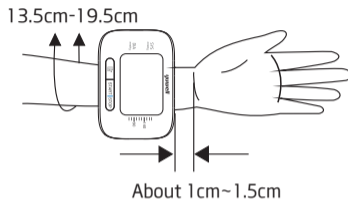


Figure 2

⚠ NOTE: Relax fingers and keep a natural extension of state.

### Wrong measurement postures

1. Do not clench fists, or may cause higher blood pressure.
2. Do not hold the cuff with another hand.
3. Do not hold the arm hard while measurement. If it is necessary please support the arm with a soft pillow.

## Start measuring

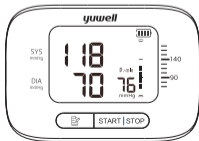
This device uses the oscillometric method of blood pressure measurement.

**Sit still for 5 minutes before the measurement**

1. Press the [ START | STOP ] button to start measuring after batteries installation. Then the monitor starts pressurizing.



2. After measurement finished, the monitor will show the SYS, DIA and pulse rate, then deflate automatically. (Also it will power off automatically in 3 minutes without any operation.)



## Start measuring

- ▶ Please contact with doctor for advice if the SYS is higher than 139mmHg or DIA is higher than 89mmHg.
- ▶ If unexpected readings are obtained, please measure again or consult your doctor.
- ▶ We suggest that the cuff contacted time is no more than 10 minutes. The max surface temperature of the cuff is 42.3 ° C. If you feel any discomfort, please remove the device immediately.

3. Take off the cuff

4. Shut down

Press the [ START | STOP ] button to shut down. Then it will power off automatically in 3 minutes without any operation.

### ⚠ NOTE:

1. Do not move and keep quiet until measurement finished.
2. Keep the monitor and heart at the same level.
3. Restart if the cuff got loose while measurement.
4. Press the [ START | STOP ] button to stop measurement. If it does not work, please take off the cuff.

⚠ Warning: Upper limit pressure of air inflation is 300mmHg/40kPa. Don't keep the inflated state for a long time to avoid damage.

5. The time interval between two measurements should be at least 2 minutes~3 minutes or longer.

## Memory function

The monitor will store the measurement data automatically (including blood pressure and pulse), and the upper limit of records is 99.

1. Press the "📄" button for the records.

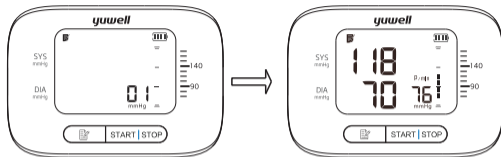
A. Press the "📄" button for the first time to show the average value of the latest 3 times measurement.



The average value

B. Repress the "📄" button to display the 1st group of memory, the serial number is displayed as "1" to "99". "1" is the latest group and the "99" is the earliest one.

## Memory function



The 1st group of memory

**Tips!** The 99th data may be replaced by the 98th when the memory capacity is full.

C. Read the recorded data by pressing the "📄" button as the sequence: "1", "2" ..... "99" (max). Then return to the 1st.

D. Holding the "📄" button to search the data quickly.

## Memory function

### 2. Delete the recorded data

Press the both [ START | STOP ] button and "📄" button in memory display until the display shown as the following picture, which means the recorded data is cleared.



⚠️ Note: This operation will delete all the recorded data.

## Voice volume and unit setting

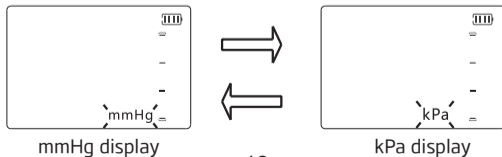
### Voice volume setting

**Tips!** This section applies only to the model with voice function.

Press both the [ START | STOP ] button and "📄" button for more than 3 seconds to enter the voice volume setting, and the screen displays the current sound volume. Then press "📄" button to change the voice volume (the size of the sound ranges from 01 to 04 and OFF). When the level reached 04, press the "📄" button to turn off the voice broadcast function. Press the [ START | STOP ] button to finish the voice volume setting and enter the unit setting.

### Unit setting

After entering the unit setting, press the "📄" button to switch unit between mmHg and kPa, then press the [ START | STOP ] button to finish setting.



## Static mode

This function is mainly for professional personnel to enter the static mode to test the monitor through standard pressure gauge.

**⚠ Warning:** Normal users don't need to know this function and also do not operate. The company will not take any responsibility for damage caused by this operation.

### 1. System restores

Press the [ START | STOP ] button after battery installation, then the screen will show the "⌘" icon, which means the system is in restore testing. Several seconds later, the "⌘" icon disappears and the air pump starts inflating at the same time, which indicates the test ended. Then press the [ START | STOP ] button to stop inflating and take out the batteries to enter the next step.

**⚠ Note:** It must restore the system before entering the static mode, otherwise it may cause inaccurate results.

### 2. Entering the static mode

Press the "📝" button and hold, meanwhile install the batteries. Hold on for about 3 seconds then release the "📝" button. Then screen will show the pressure value "0", the date and time. Now the system has restored and entered the static mode. Now can take the static test.

## Static mode

**⚠ Note:** When the measured pressure exceeds 300mmHg during static test, pressure value and "HI" are displayed, indicating the measurement result exceeds the rated range and may be inaccurate.



### Tips!

- ▶ After entering the static mode, if the screen still doesn't show "0", please operate again as the System restore. Please contact with the local distributor if it still does not work.
- ▶ The monitor will automatically power off if there is no operation in 4 minutes.

### Method of verifying calibration

- ▶ The verification system is determined by applying a adapter to the pressure line and attaching a reference standard.
- ▶ Enter into the static mode, read the device and the reference gauge simultaneously, the error of 3mmHg is normal by reducing the pressure from 300mmHg to zero at a rate of 3mmHg/s  $\pm$  1mmHg/s.
- ▶ If the error out of 3mmHg, please contact the manufacturer for calibration.

## About the wrist type monitor

### About the blood pressure on wrist and upper-arm

Diabetes, high blood lipids, hypertension will accelerate atherosclerosis and cause nerve ending dysaemia. The blood pressure on wrist and upper-arm may have a significant difference on these patients. Even if in unsuitable conditions, healthy persons may cause about 20 mmHg (2.6kPa) difference. So we suggest do not diagnose by oneself, please consult the doctor.

Normally, the blood pressure on wrist and upper-arm are same. But circulatory system disorders may have a significant difference. Please manage your blood pressure with experts. Healthy persons have a 20 mmHg (2.6kPa) difference between blood pressure on wrist and upper-arm.

### About measuring posture

If wrist and heart are not at a same level, the blood pressure will change as a result of the weight of blood. When the wrist is higher than the heart, the value measured will be lower, and vice-versa. Every 10cm about 8 mmHg (1kPa) difference. Of course the value is more closely related to the measuring posture.

## 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.

## Common questions of blood pressure measurement

### 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
Hypotension	< 12.0/90	< 8.0/60	Consult dr.
Ortho-arteriotony	12.0/90~18.5/139	8.0/60~11.9/89	Self check
Mild hypertension	18.7/140~21.2/159	12.0/90~13.2/99	Consult dr.
Medium hypertension	21.3/160~23.9/179	13.3/100~14.5/109	Consult dr.
Severe hypertension	≥24.0/180	≥14.7/110	Danger! Go to hospital as soon as possible

## Common questions of blood pressure measurement

⚠ Note: There is no definition about hypopiesia, 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.

## Common questions of blood pressure measurement

### 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 the same time every day.



## Common fault and trouble shooting


Common fault	Solutions
It doesn't work after pressing the [ START STOP ] 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. 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



## Common fault and trouble shooting

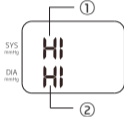
The table below shows the possible fault displaying icon, possible reason, and solutions.



Wrong indication	Fault cause	Solution
Err 3	The pressure value did not reach 5mmHg within 4s	Please check the cuff for tightness or leakage
Err 4	Unable to measure pressure	Measure again please
Err 5	Pressurizing error	Check if there is air leakage from the cuff
Err 6	Pressurizing error caused by arm or body motion	Keep arm and body still and measure again
Err 7	Cuff is too loose or fall off	Fasten cuff tightly
Err 8	Pressure exceeds the maximum value (300mmHg)	Measure again please
	Battery is low	Replace new batteries
	Battery is running out	Replace new batteries

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

## Alarm system

When the determined blood pressure is outside the rated range, there is a visual alarm signal on the display screen. Please refer to below table for details.

Alarm indication	Display contents and causes
 <p>The diagram shows a display screen with 'SYS' and 'DIA' labels on the left. The top section shows 'HI' and the bottom section shows 'HI'. Circled numbers 1 and 2 point to the top and bottom 'HI' respectively.</p>	<p>① When SYS display area shows " HI ", it indicates the measurement result of systolic pressure exceeds 260mmHg.</p> <p>② When DIA display area shows " HI ", it indicates the measurement result of diastolic pressure exceeds 210mmHg.</p>
	<p>① When SYS display area shows " Lo ", it indicates the measurement result of systolic pressure is below 60mmHg.</p> <p>② When DIA display area show " Lo ", it indicates the measurement result of diastolic pressure is below 40mmHg.</p>
<p>When the above alarm indication shows, please measure again or consult the doctor.</p>	

-  **Note:** If the alarm indication cannot be solved and the user feels uncomfortable, please consult the doctor as soon as possible.
-  **Note:** If the alarm indication cannot be solved or need to verify the functionality of the alarm system, please consult the manufacturer.

## Technical parameters

### 1. Features

Small delicate design

99 groups of memory

Average value display of three times measurement

kPa & mmHg units display

### 2. Technical parameters

Displaying: LCD digital display

Operating principle: Oscillometric method

Measuring range

Diastolic: 40mmHg-210mmHg    Pressure: 0mmHg~300mmHg

Systolic: 60mmHg-260mmHg    Pulse rate: 40beats/min~200beats/min

Precision

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

Pulse rate: within 5% of reading value

Working system: continuous operation

IP Classification: IP22

└against ingress of water with harmful effects: dripping (15° tilted )  
└against ingress of solid foreign objects:  $\geq 12.5\text{mm}$  diameter

Electric classification: Class II and internally powered,  
type BF application part (cuff is applied part)

Service life: 5 years(6 times for each day) for the monitor  
5000 times for cuff

Power supply

battery: 2X1.5v  $\text{---}$  AAA batteries

## Technical parameters

Battery life: the battery can be used about 300 times

Suitable wrist circumference: 13.5cm-19.5cm

Dimensions: Approx. 89x62x23 (mm)

Wight: about 99g(without batteries)

### 3. Operation and storage conditions:

Operation conditions:

a temperature range of  $+5^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$ ;

a relative humidity range of 15% to 90%, non-condensing; and  
an atmospheric pressure range of 70kPa to 106kPa.

Transportation and storage conditions:

$-25^{\circ}\text{C}$  to  $+5^{\circ}\text{C}$ , and

$+5^{\circ}\text{C}$  to  $+35^{\circ}\text{C}$  at a relative humidity up to 90%, non-  
condensing;

$> 35^{\circ}\text{C}$  to  $70^{\circ}\text{C}$  at a water vapour pressure up to 5kPa.

Recovery time:

When the ambient temperature is  $20^{\circ}\text{C}$ , the time required for the device to warm from the minimum storage temperature ( $-20^{\circ}\text{C}$ ) until the device is ready for use is 2 hours.2.When the ambient temperature is  $20^{\circ}\text{C}$ , the time required for the device to cool from the maximum storage temperature ( $55^{\circ}\text{C}$ ) until the device is ready for use is 2 hours.

## Technical parameters

### The contact materials detail of product

Part	Rear Cover	Top Cover	Cuff		Panel
			Magic paster	Cloth	
Material	ABS	ABS	Polyamide	Polyamide Polyester Spandex	PC

The SPHYGMOMANOMETER was clinically investigated according to the requirement of ISO 81060-2. The SPHYGMOMANOMETER complies with IEC 80601-2-30.

## Electromagnetic compatibility information

### Essential performance:

#### 1. Limits of the error of the manometer:

Over the temperature range of 5°C to 40°C and the relative humidity range of 15% to 90% (non-condensing), the maximum error for the measurement of the CUFF pressure at any point of the NOMINAL measurement range shall be less than or equal to  $\pm 3\text{mmHg}$  ( $\pm 0.4\text{ kPa}$ ) of the reading.

#### 2. Reproducibility of the BLOOD PRESSURE DETERMINATION:

The laboratory reproducibility of the BLOOD PRESSURE DETERMINATION of the AUTOMATED SPHYGMOMANOMETER shall be less than or equal to 3.0mmHg (0.4 kPa).

- ⚠ 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 SPHYGMOMANOMETER, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.
- ⚠ This equipment might not offer adequate protection to radio-frequency communication services. The user might need to take mitigation measures, such as relocating or re-orienting the equipment.
- ⚠ When the instrument is in use, never put it near other instruments or stack it on other instrument. If you have to put it near other instruments or instruments, please inspect and verify if the instrument could run normally.

## Electromagnetic compatibility information

**⚠ WARNING:** The Operator should not use the system and should inform the customer service, if the ESSENTIAL PERFORMANCE is lost or degraded due to EM DISTURBANCES.

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.

**Table 1**

Guidance and manufacture' s declaration- electromagnetic emission	
The YE8300B Wrist Digital Blood Pressure Monitor is intended for use in the electromagnetic environment specified below. The customer or the user of YE8300B Wrist Digital Blood Pressure Monitor should assure that it is used in such an environment.	
Emission test	Compliance
RF emissions CISPR 11	Group 1
RF emissions CISPR 11	Class B

## Electromagnetic compatibility information

**Table 2**

Guidance and manufacturer's declaration - electromagnetic immunity		
The YE8300B Wrist Digital Blood Pressure Monitor is intended for use in the electromagnetic environment specified below. The customer or the user of the YE8300B Wrist Digital Blood Pressure Monitor should assure that it is used in such an environment.		
Immunity test	IEC 60601 test level	Compliance level
Electrostatic discharge (ESD) IEC 61000-4-2	± 8 kV contact ± 15 kV air	± 8 kV contact ± 15 kV air
Power frequency (50Hz/60Hz) magnetic field IEC 61000-4-8	30A/m 50Hz or 60Hz	3A/m 50Hz or 60Hz
Proximity magnetic fields IEC 61000-4-39	8A/m, CW for 30kHz 65A/m, 2,1kHz Pulse modulation for 134, 2kHz 7,5A/m, 50kHz Pulse modulation for 13,56MHz	8A/m, CW for 30kHz. 65A/m, 2,1kHz Pulse modulation for 134,2kHz. 7,5A/m, 50kHz Pulse modulation for 13,56MHz

## Electromagnetic compatibility information

Table 3

Guidance and manufacturer's declaration-electromagnetic immunity		
The YE8300B Wrist Digital Blood Pressure Monitor is intended for use in the electromagnetic environment specified below. The customer or the user of the YE8300B Wrist Digital Blood Pressure Monitor should assure that it is used in such an environment.		
Immunity test	IEC 60601 test level	Compliance level
Radiated RF IEC 61000-4-3	10 V/m 80 MHz to 2.7 GHz	10 V/m
NOTE1 At 80 MHz and 800 MHz, the higher frequency range applies. NOTE2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.		
<p><sup>a</sup> Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the YE8300B Wrist Digital Blood Pressure Monitor is used exceeds the applicable RF compliance level above, the YE8300B Wrist Digital Blood Pressure Monitor should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the YE8300B Wrist Digital Blood Pressure Monitor.</p>		

## Electromagnetic compatibility information

Table 4

Test frequency (MHz)	Band <sup>a)</sup> (MHz)	Service <sup>a)</sup>	Modulation	IMMUNITY TEST LEVEL (V/m)
385	380 to 390	TETRA 400	Pulse modulation <sup>b)</sup> 18 Hz	27
450	430 to 470	GMRS 460, FRS 460	FM <sup>c)</sup> ± 5 kHz deviation 1 kHz sine	28
710	704 to 787	LTE Band 13, 17	Pulse modulation <sup>b)</sup> 217 Hz	9
745				
780				
810	800 to 960	GSM 800/900, TETRA 800, IDEN 820, CDMA 850, LTE Band 5	Pulse modulation <sup>b)</sup> 18 Hz	28
870				
930				
1720	1700 to 1990	GSM 1800; TETRA 1900; GSM 1900; DECT; LTE Band 1,3,4,25; UMTS	Pulse modulation <sup>b)</sup> 217 Hz	28
1845				
1970				
2450	2400 to 2570	Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7	Pulse modulation <sup>b)</sup> 217 Hz	28
5240	5100 to 5800	WLAN 802.11 a/n	Pulse modulation <sup>b)</sup> 217 Hz	9
5500				
5785				
If necessary to achieve the IMMUNITY TEST LEVEL, the distance between the transmitting antenna and the ME EQUIPMENT or ME SYSTEM may be reduced to 1 m. The 1 m test distance is permitted by IEC61000-4-3.				
<p>a) For some services, only the uplink frequencies are included.  b) The carrier shall be modulated using a 50% duty cycle square wave signal.  c) As an alternative to FM modulation, the carrier may be pulse modulated using a 50 % duty cycle square wave signal at 18 Hz. While it does not represent actual modulation, it would be worst case.</p>				