

# LEO BLOOD PRESSURE MONITOR

## Use and maintenance book

**ATTENTION:** Operators must read and understand this manual completely before using the product.

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## Chapter1 Functions and Purpose

### 1.1Description of functions:

This device is suitable for measuring the non-invasive blood pressure for adults and pediatrics. Up to 100 pieces of measurement records can be stored for each user. Each record includes details of measurement time, systolic pressure, diastolic pressure, mean pressure, pulse rate and record number. It's 2.8-inch color LCD screen provides clear display interfaces and complete data reviews. By operating the buttons on the front panel, users can implement many functions, such as turning on, manually measuring, system setting and parameter changing. It has timed shutdown function, when no operation is performed, it will automatically turn off.

**1.2Intended Purpose:**The device can be used to measure NIBP of human body.

**Patient Population:**Adult, adolescent and pediatric.

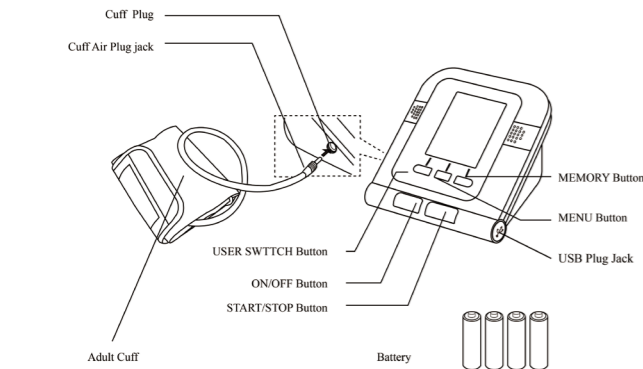
**Intended users:**Family members and relevant medical staff.

**Intended environment:**Home and health institutions.

**Contraindication:**Not found.

## Chapter2 Main Unit

The production is in the package. Open the package and confirm whether the production is whole.



### Note

After receiving the product, there may be a protective film on the screen that you can remove for better display effect.

Adult cuff: limb circumference of 22-32cm (middle part of upper arm)



### Optional Accessories:

#### AC adapter

Input: voltage: AC 100 V~240 V Frequency: 50 Hz/60 Hz Rated current: AC 150 mA

Output: DC5.0 V±0.2 V 1.0 A

#### Cuff:

Choose the right cuff based on the patient's upper arm circumference, there are several suitable cuffs(range of limb circumference, middle part of upper arm)

the range of limb circumference is 10-19 cm

the range of limb circumference is 18-26 cm

the range of limb circumference is 22-43 cm

the range of limb circumference is 22-30 cm

the range of limb circumference is 32-43 cm

### Note

- The cuff is a consumable. Calculate by measuring 6 times a day(3 times each morning and evening), the service life of the cuff is about 2 year.(using our experimental conditions)
- In order to correctly measure blood pressure, please replace the cuff in time.
- If the cuff leaks, please contact our company to buy a new one. The cuff purchased separately does not include the airway tube plug. When replacing, please do not throw the airway tube plug away, assemble

it on the new cuff.

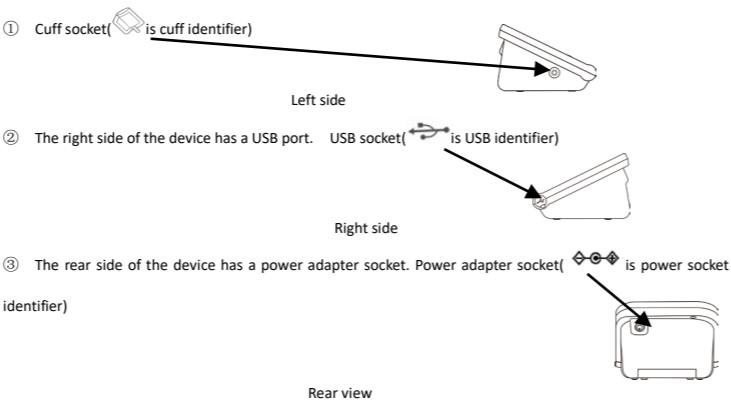
### Note

When the product and accessories described in this manual are about to exceed the period of use, they must be disposed according to relevant product handling specification. If you want to know more information, please contact our company or representative organization.

## Chapter3 External Interfaces

### Note

When removing NIBP cuff, please take plug at the front of the windpipe to pull out.

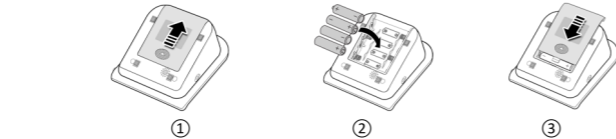


### Note

All analog and digital equipment connected to this device must be certified to IEC standards(such as IEC60950: Information technology equipment-Safety and IEC60601-1: Medical electrical equipment-Safety), and all equipment should be connected to in accordance with the requirement of the valid version of the IEC60601-1 system standard. The person connecting the additional equipment to the signal input and output port is responsible for whether the system complies with the IEC60601-1 standard.

## Chapter4 Battery/AC Adapter assembly

The product can use battery or AC adapter as power source.



### 4.1 Battery assembly

- Demount the battery cover in the direction of the arrow.
- Assemble "AA" batteries according to ⊕ ⊖ polarities.
- Slide to close the battery cover.

Icon : the batteries power will exhaust. Replace with four new batteries (the same sort) at the same time. Test while low power may cause data deviation and other problems.

Turn the unit off before replacing the batteries.

### Note

When the battery reaches the end of its life, or if the battery is found to have odor, deformation, discoloration or distortion, stop using the battery and dispose of the used battery in accordance with local regulations, otherwise it will cause environmental pollution.

### 4.2 Usage of power adapter

- Connect the sphygmomanometer and the power adapter. Insert the power adapter connector into the power adapter socket on the device
- Please insert the power plug of the adapter into the AC 100 V~240 V socket.

### Note

The device can be disconnected from the power supply network by unplugging the adapter plug.

When cut off the power supply, first cut off the connection of power socket and the regulated power supply, then cut off the connection of regulated power supply and the sphygmomanometer.

Please be sure to use dedicated medical grade power adapter.

### Note

When regulated power supply and batteries are both used at the same time, the battery power will not be consumed.

Switch regulated power supply and battery as power supply when the device is off, otherwise, the device may shutdown due to power failure.

The device can be used normally after it is turned on ,without waiting for the device to be prepared.

## Chapter5 Button Functions

All the operations to the Electronic Sphygmomanometer are through the buttons. The names of the buttons are above them. They are:

- 【ON/OFF】** ON/OFF button. Press this button to turn on/off the device.
- 【START/STOP】** Press it to inflate the cuff and start a blood pressure measurement. During measuring, press it to cancel the measurement and deflate the cuff.
- At all levels interface, the three buttons correspond respectively with the text prompts below the LCD screen, pressing any button will carry on the corresponding function, such as **【UP】** **【MENU】** **【ENTER】** **【DOWN】** etc.

## Chapter6 Setting the Date and Time

It is necessary to set date and time after power on.

The Electronic Sphygmomanometer can automatically stores measurement results with date and time.

If batteries power exhausts or removed, the time to stop.

At the moment, please reset date and time.

The Electronic Sphygmomanometer stores measure results of three users automatically, and up to 100 items for every user. If the date and time are set correctly, the date and time when measuring will be correct in the memory, otherwise it may not be correct.

1、 There are two modes of time setting:

(1) When using the Sphygmomanometer for the first time or after the Sphygmomanometer has been placed without power supply for a certain time(more than 3 minutes), after power on, there is a prompt of time error on the main interface, set date and time with **【UP】**, **【DOWN】** and **【ENTER】** button.

(2) Press **【MENU】** button on the main interface to enter system menu, then enter **【SYSTEM TIME】** item, the current time will be displayed on the screen. Set date and time with **【UP】**, **【DOWN】** and **【ENTER】** button.

2. After setting, select **【CONFIRM】** option and press **【ENTER】** button to confirm the setting value. If you do not want to change the time, select **【EXIT】** option and press **【ENTER】** button to return to the previous menu.

### Note

The range of year is from 2010 to 2099. When the year reaches 2099, pressing the **【UP】** button will return to 2010.

If the time is not set after power on,the time recorded the BP data may be different with the actual time.

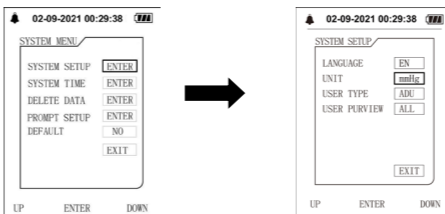
## Chapter7 Unit and Language

### 7.1 Measurement Unit

There are two units: "mmHg" and "kPa".

The default is: "mmHg".

Enter the submenu **【SYSTEM SETUP】** in the **【SYSTEM MENU】**, then select **【UNIT】** option to switch units between "mmHg" and "kPa".



### 7.2 Language

The sphygmomanometer supports both English and Chinese, the default is Chinese, enter **【SYSTEM SETUP】** submenu in **【MENU】** and select **【LANGUAGE】** can switch languages.

## Chapter8 User Switch and Voice Broadcast Functions

### 8.1 User switch function

The device can memory 3 users. To switch between different users, press the USER SWITCH button in the Main interface or select it in the USER PURVIEW option under the System Setup interface. The device has a USB port, which can be used to transmit measurement results to a PC. For details of the operation, please refer to the help or instructions of the software.

### Note

When the **【USER PURVIEW】** is set to **【ALL】**, current user can be switched under main interface; when set to a certain user, it will not be able to switch under main interface.

### 8.2 Voice broadcast function

The device has true voice broadcast throughout the whole measurement process from instructing the measurement posture to broadcasting the measurement results. The volume of voice can be adjusted. Press the MENU button to enter the System Setup interface, and select SYSTEM SETUP to enter its interface, then select "VOLUME CONTROL" to set the volume. The maximum volume is 4 and the minimum is 1. If "OFF" is selected, the voice broadcast function will be turned off.

### Note

This section only applies to products with Voice Broadcast function.

## Chapter9 Over-limit Prompt Function

The Sphygmomanometer has two kinds of reminding methods:the technical parameter over-limit prompt and the physiological parameter over-limit prompt.

### 9.1 Physiological parameter over-limit prompt

The sphygmomanometer has the function of over-limit prompt, the user can press **【MENU】** button to enter system menu, select **【PROMPT SETUP】** option to enter its interface, then set the limit value of blood pressure.

When the BP measurement result is higher than the high limit or lower than the low limit and the prompt is ON, the physiological prompt will occur;

In the state of physiological prompt, press any button to cancel the prompt and it does not affect the next prompt; the prompt can be closed permanently with prompt switch of the prompt setup menu until the prompt switch be opened again.

### 9.2 Technical parameter over-limit prompt

When power is about to exhaust and prompt is ON, the prompt will occur. This prompt can not be canceled unless being closed or the power replaced.

### Note

Restore factory settings

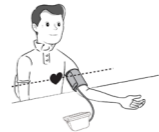
If users want to restore the factory settings,select **【DEFAULT】**,then the data will be restored to the initial state.

## Chapter10 The Usage Method of Sphygmomanometer

### 10.1 Accurate Measurement Way

Measurement in quiet and relaxing state.

- Adopt a comfortable sitting position, use back and arms to support the body.
- Place your elbow on a table, the palm faces up and the body is relaxed.
- The cuff is level with your heart.



4.Feet flat on the floor, and do not cross your legs.

### Advice

**Try to measure your blood pressure at the same time each day with the same arm and the same pose for consistency.**

The high and low location of cuff will cause changes in measure results.

Do not touch the sphygmomanometer, cuff and windpipe during measure.

**Measurements should be taken in a quiet place and the body relax.**

Remain still 4~5 minutes before measurement.

Do not talk and movement during the measurement. Relax the body, do not let the muscle activity.

Wait 4~5 minutes between measurements.

Do not use precision instrument near the Sphygmomanometer.

### Warning

When repeatedly measuring, the accurate blood pressure value may not be measured due to congestion in the arm. Please measure after the blood flow is smooth.

Repeated measurement for a long period of time, limbs rubbing with the cuff may be accompanied by purpura, ischemia and nerve damage. When measurement a patient, it is necessary to frequently check the color, warmth and sensitivity of the distal of the limb. Once any abnormalities are observed, place the cuff in another position or stop the blood pressure measurement immediately.

Please use this device in the operating environment specified in Chapter 18, otherwise its performance may be affected by extreme temperature, humidity, and altitude, resulting in measurement errors.

Do not twist or wrap the airway tube. It can cause constant pressure in the cuff which can block blood flow and cause serious damage to the patient.

When using, please keep infants or children away from the cable, tube, and cuff to prevent strangulation caused by entanglement.

Do not use the cuff on the injured area, which will cause more serious damage to the area.

Do not use the cuff in the area where the treatment is being performed inside blood vessel or the arteriovenous connection. This may cause temporary blockage of blood flow and cause injury to the patient.

Do not use the cuff on the side of the mastectomy.

When using the cuff to pressurize, some of the body's functions may temporarily weaken. Do not use the measurement medical electrical equipment at the appropriate arm position.

Do not move during measurement, it will have a delayed effect on the patient's blood flow.

The device need to be placed for 2 hours from the minimum storage temperature to being ready for its intended use.

The device need to be placed for 4 hours from the highest storage temperature to being ready for its intended use.

### Note

The following conditions may also cause changes in the blood pressure measurement value.

Take the measurement in one hour after meal or after drinking alcohol, coffee or after smoking, exercise,

bathing;

Using incorrect posture such as standing or lying down, etc;

The patient speak or move his body during measurement;

When measuring, the patient is nervous, excited, emotional instability;

The room temperature rise or fall sharply, or the environment of measurement often changes;

Measuring in a moving vehicle;

The high and low location of cuff will cause changes in measurement results;

Continuous measurement for a long time.

### 10.2 Applying the Cuff

Both left and right arm can be measured.

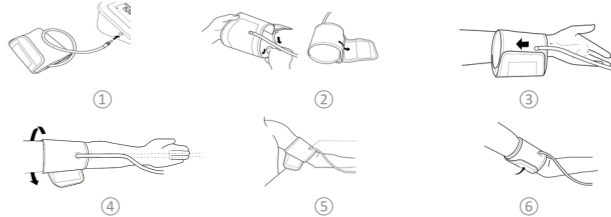
Bare your arm or cloth close-fitting clothing during measurement.

Carry out the operation in a room with comfortable temperature.

When measuring, take the thick clothes off instead of rolling up the sleeves.

In order to measure accurately, pay attention to applying the cuff properly (left arm).

- Insert the arm cuff air plug in the cuff socket of sphygmomanometer.
- Stretch cuff into a barrel for the arm can conformable enter into the barrel
- Left arm penetrate through the cuff, the air tube of the cuff will pass the top of your palm.
- Wrap the cuff to your upper arm. Make the air tube inside the forearm and aligned with your middle finger.
- The bottom of the cuff should be approximately 2cm~3cm above your elbow.
- Be fixed with cloths, and wrapped tight cuff, the arm and the cuff should not have gaps.



### 10.3 BP Measurement

①Press **【START/STOP】** button to start measurement.

During measurement, please keep correct pose and quiet state, do not move.


If you want to abort the measurement


Press **【START/STOP】** button, the device will stop inflating, and release the air from the cuff.

②Confirm the Measurement Value

Irregular pulse icon. This icon will be marked in the measurement result if the pulse internal is irregular during the measurement process.

Movement indication icon. If the patient moves and the movement affects the measurement accuracy, this icon will appear during the measurement process and in the measurement result.

): Proper cuff wearing icon. If the cuff is worn properly at the start of the measurement, this icon will be displayed.

): Improper cuff wearing icon. If the cuff is not worn correctly at the start of the measurement, this icon will be displayed and marked in the measurement result.

The measurement value can be stored automatically, using [memory function] (refer to Chapter11).


\*Self-diagnosis and treatment using measured results may be dangerous. Follow the instructions of your physician.

 Note 

**Wait at least 4-5 minutes between measurements**

When repeatedly measuring, the accurate blood pressure value may not be measured due to congestion in the arm. Please measure after the blood flow is smooth.

- When some factors affect the measurement results in measurement process, error messages will appear on the screen, you can obviate the malfunction and restart a measurement.
- The minimum value of the patient's physiological signal is the minimum limit that the device can measure. The device may obtain inaccurate measurement results when it is operated below the minimum amplitude or minimum value of the patient's physiological signal.

 In the state of the physiological parameter over-limit prompt is not triggered, press any button to carry on the corresponding button function; in audio prompt state, press any button (except 【ON/OFF】 button) to clear up the audio prompt.


 Take off the cuff, press 【ON/OFF】 button to turn the device off.

\*The device will automatically turn off after 1 minute in which there is no operation to the device, even if you forget to turn the power off.

**Chapter11 Memory Function**

The sphygmomanometer is designed to store the blood pressure, pulse rate values and the date and time when measured, which are up to 100 groups. If there have been stored 100 groups, the earliest results will be deleted when saving the 101 group of measurement results. And the "OVERFLOW" will display on the bottom right of the screen, prompting that data record is full. You can delete the data.

**11.1 Review Memory Values**

- In the Main interface (the interface entered when startup), press the MEMORY button to display the average of the three latest measurements in large font. At this time, the icon  will appear on the screen.
  - Continue to press the DOWN button to view the latest measurement result. In the Memory interface, the measurement records are numbered from 1 to 100. Press UP and DOWN buttons to view other measurement records.
  - Press 【LIST】 button to display the data list interface.
  - Press 【TREND】 button to display trend interface.
- End to display the measurement values:

Press 【EXIT】 button to return to the main interface or hold 【ON/OFF】 button to turn the device off.

**11.2 Delete Memory Values**

Users can delete all memory values of a user instead of separately delete one memory value.

- Press 【MENU】 button to enter the system menu, select 【DELETE DATA】 option to enter its interface, select the user whose data to be deleted, after confirming again, all measurement results of the selected user will be deleted.

**2. Finish Operation**

Select 【EXIT】 to return to the previous menu, or hold 【ON/OFF】 button to turn the device off.

**Chapter12 Bluetooth Transmission**

The device can send the stored blood pressure values to a master device via Bluetooth (see the software help for details).

The user can search the device on the master device and connect them via the Bluetooth, then data can be transmitted. The data that have been transmitted to the master device will be marked with green dots in the review interfaces. In the Memory interface, the marker is located in the upper right corner of the right side of the serial number; in the BP List interface, the marker is located in the left side of the serial number.

Note: If the system time is incorrect, the device processes the measurement data but does not upload them, and the data will be marked with red dots.

**About communication:**

This product is a wireless device for low-power data communication systems in the 2.4GHz frequency band.

Due to the use of radio signals, it may be intentionally or unintentionally intercepted by third parties.

Do not use for confidential matters or life-critical applications.

It is strictly prohibited to connect other devices arbitrarily during device operation to prevent potential safety risks and data leakage.

Strictly protect all network confidential information to prevent unauthorized access

 Note 

When using this product near equipment operating in shared frequency bands, such as wireless routers, electronic microwaves, and wireless instruments, electromagnetic interference may occur. If so, please turn off other equipment or move this product to an area free from electromagnetic interference.

This section only applies to products with Bluetooth function.

**Chapter13 Error Message**

Error message will be displayed in the screen if there is something wrong when measuring. The causes and solutions are shown as follows:

Error Message	Causes	Solutions
Self-test failure System failure	Function abnormal	Please contact us
Loose cuff	Cuff is not connected correctly.	Correctly connect cuff (refer to Chapter 10)
Air leakage	Cuff plug fall off	Make sure the cuff plug is securely inserted in the windpipe (refer to Chapter 10)
Air pressure error	Air pressure error	Measure again and do not move during measuring.
Weak signal	The pulse signal is too weak or the cuff is loose.	Correctly connect cuff (refer to Chapter 10)
Overpressure	Cuff is blocked or squeezed	Correctly connect cuff (refer to Chapter 10)

Excessive movement Over range Saturated signal	The signal extent is too big owing to the arm or body moving or other reasons when measuring	Keep arm, body still, measure again
Time out	It takes too much time	








































**Chapter14 Troubleshooting**

Abnormal Phenomenons	Causes	Solutions
BP measurement values too high or too low.	Cuff is not connected correctly.	Correctly connect cuff (refer to Chapter 10)
	Talk or move arms when measuring	Keep quiet and restart a measurement
	The turnout clothing presses the arm	Take off the clothing which presses the arm, and restart a measurement
No pressure	Cuff leakage	Buy a new cuff
	The cuff windpipe is not correctly connected with cuff	Correctly connect
Cuff deflates in short time	Loose cuff	Correctly apply cuff
It can not carry on measurement when press the measurement button		Switch on the power once again and restart a measurement

Power off suddenly when inflating	No use for a long time, the power of batteries can be exhausted owing to the changed temperature	Replace all four batteries with new ones.
Hold the on/off button but can not start the device	Power of batteries can be exhausted	Replace all four batteries with new ones.
	The battery polarities is reversed	Check the battery assembly for proper placement of the battery polarities.
Other phenomenon		Switch on the power once again and restart an operation. Replace the batteries. If no, please contact us.



**Chapter15 Keys and Symbols**

Your device may not contain all the following symbols.

Signal	Description	Signal	Description
	Caution: read instructions (warnings) carefully		Follow instructions for use
SIS	Systolic pressure	DIA	Diastolic pressure
INFO	Information	PR	Pulse rate (bpm)
<b>IP20</b>	Enclosure protection grade	CEM	Electromagnetic compatibility
	Manufacture date	P/N	Material code of manufacturer
	Type BF applied parts		Recyclable
	Open the Prompt sound indication		Close the Prompt sound indication
	Lot number		Expiration date
	This way up		Fragile, handle with care
	Keep in a cool, dry place		Atmospheric pressure limit
	Temperature limit		Humidity limit
	Manufacturer		Unique device identifier
	Low battery		Batteries Power
	1.No NIBP data to review 2.An indicator of signal inadequacy		1.No Pulse rate 2.An indicator of signal inadequacy
	WEEE disposal		Medical Device compliant with Directive 93/42/EEC
	Serial number		Class II applied
	Authorized representative in the European Union		Interface for connecting cuff
	MR Unsafe, can not be used in MRI		Socket for power adapter
	Medical device		Artery indicator label
	Keep away from sunlight		Imported by
	Cuff tied properly		Product code
	Irregular pulse		Average value icon
	Improper cuff wearing		Large movement during measurement

**Chapter16 Maintenance, Cleaning and Keeping**

\*Please do obey the precautions and correct operating methods in this user manual. Otherwise, we will not be responsible for any fault.

 Warning 

Remove the batteries before cleaning. The accessories and main unit must be separated for cleaning.

Maintenance is not allowed during device using.

Do not squeeze the rubber tube on the cuff.



 Caution 



- High pressure disinfection to the device and accessories is not allowed.
- Do not let water or cleaning agent flow into the socket to avoid device damage.
- Do not soak the device and accessories in liquid.
- If any damage or deterioration of the device and accessories is found, please do not use it.

**Maintenance:**



- Clean the device and accessories regularly. It is recommended to clean them every one month.
- Before cleaning the device, remove batteries and disconnect it from the AC power. The accessories and main unit must be separated for cleaning. Do not maintain or repair the device during use.
- When cleaning the device, dip a clean cloth in isopropyl alcohol (70%), wring it out fully, and wipe the main unit, cuff and cuff windpipe separately for about 3 minutes, then use the other clean cloth moistened with distilled water, wring it out fully and respectively wipe the main unit, cuff and cuff windpipe for about 2 minutes. Repeat above 5 times until there is no obvious residual cleaning agent. Avoid isopropyl alcohol or water entering the main unit during cleaning. After cleaning, place the product in a dry and ventilated place to dry.
- Visual inspection to make sure the product is thoroughly cleaned. If any residue exists, please repeat the entire process described above.
- Clean the accessories before applying to a different patient.
- The device should be inspected and calibrated periodically (or obey the requirements of the hospital). It is available to inspect in the state specified inspection institution or by professional personal, or you can contact our company. Long press "USER" button in main interface for 5s to enter the calibration interface.

 Advice 

- Do not use gasoline, volatile oil, diluent, etc. to wipe the device.
- Do not clean or wet the cuff.



**Storage:**

 Advice 


- Do not expose the device in direct sunlight for long time, otherwise the display screen maybe damaged.
- The basic performance and safety of the device are not affected by the dust or cotton wool in home environment, while the device shall not be placed where with high temperature, humidity or dusty.
- Aged cuff may result in inaccurate measurement, please replace the cuff periodically according to the user manual.
- To avoid device damage, keep the device out the reach of children and pets.
- Avoid the device close to extreme high temperature such as fireplace, otherwise the device performance may be affected.
- Do not store the device with chemical medicine or corrosive gas.
- Do not place the device where there is water.
- Do not place the device where with slope, vibration or impact
- Take the batteries out if the device is not to be used for three months or longer.



**Chapter17 NIBP Specification**

Name	Electronic Sphygmomanometer	
Display mode	2.8" color LCD Display	
The degree of protection against ingress of water	IP20	
Measurement method	Oscillometric method	
Working mode	Automatic	
Operation mode	Continuous operation	
Cuff pressure range	0-300 mmHg(0-40 kPa)	
Accuracy	Pressure: ±3 mmHg(±0.4 kPa)	
Maximum pressure	Not exceed 300 mmHg (40 kPa)	
Measurement Range	Blood Pressure	SYS: 30~270 mmHg(4~36 kPa) DIA: 10~220 mmHg(1.3~29.3 kPa)
	Pulse	40~240 bpm
Error	Blood Pressure	The BP value measured by the device is equivalent with the measurement value of Stethoscopy, perform clinical verification in accordance with the requirements in ISO 81060-2, whose error meets the followings: Maximum mean error: ±5 mmHg Maximum Standard deviation: 8 mmHg
	Pulse	±5 bpm or ±5% select larger
Resolution	Pressure: 1mmHg(0.1 kPa)	
	Pulse: 1 bpm	
Operating temperature/humidity	+5 ℃~+40 ℃	15 %RH~85 %RH(Non-condensing)
Transport	Transport by general vehicle or according to the order contract, avoid pounded, shake and splash by rain and snow in transportation.	
Requirements for transport and storage environment (between two transports)	Temperature: -20 ℃~+55 ℃; Relative humidity: ≤95 % (no condensation); No corrosive gas and drafty.	
Atmospheric pressure	700 hPa~1060 hPa	
Power supply	4 "AA" alkaline batteries, AC Adapter(AC, 100 V-240 V, optional)	
Rated current	600 mA	

Battery life	When the temperature is 23 ℃, limb circumference is 270 mm, the measured blood pressure is normal, 4 "AA" alkaline batteries can be used about 300 times.		
Dimensions	130(L)*110(W)*80(H) mm		
Unit Weight	300 gram(without batteries)		
Safety classification	Class II equipment (power supplied by power adapter)/Internally powered equipment (power supplied by batteries) Type BF applied part		
Service life	5 years from the date of manufacture		
Date of manufacturer	See the label		
Accessories	Standard Configuration: Cuff the range of limb circumference is 22-32 cm (middle part of upper arm) Model:IGN0066 Manufacturer:Contec Medical Systems Co., Ltd. Optional Configuration: AC Adapter Model:CMS0105 Manufacturer:Contec Medical Systems Co., Ltd. Cuff		
	Model	Limb circumference(cm)	Manufacturer
	IGN0009	10-19	Contec Medical Systems Co., Ltd.
	IGN0048	18-26	
	IGN0083	22-30	
IGN0074	22-43		
IGN0008	32-43		
Basic performance	The error limit under environmental conditions is less than or equal to ±0.4 kPa (±3 mmHg)		
	NIBP repeatability should be less than or equal to 0.4 kPa (3 mmHg)		
Bluetooth Specification	Working frequency: 2402 MHz ~ 2480 MHz Bandwidth: 2MHz Modulation mode: GFSK Transmitting power: 0 dBm, +4 dBm Receiving sensitivity: -93 dBm		

 **Disposal:** The product must not be disposed of along with other domestic waste. The users must dispose of this equipment by bringing it to a specific recycling point for electric and electronic equipment

**GIMA WARRANTY TERMS**

The Gima 12-month standard B2B warranty applies