Blood Pressure Monitor

Instruction Manual
BF2214(0B)

Table of Contents

1. Safety Information

1.1 Warning ⚠

- Self diagnosis and treatment which use measured results may be dangerous. Follow the instructions of your physician or licensed healthcare provider.
- Those who have arrhythmia, diabetes, blood circulation or apoplexy problem, please use under the physician's instruction.
- If cuff inflation doesn't stop, remove the cuff or power off the unit, otherwise, it may result in a hazard condition.
- This equipment is not suitable for the neonate, infant and who can't communicate or interact independently.
- Do not use the blood pressure monitor for any other purpose except measuring the blood pressure of human body.
- Do not use the blood pressure monitor when you are close proximity to strong static electricity or electromagnetic fields, and avoid using the mobile during measurement.
- Do not use in combination with a hyperbaric oxygen therapy device, or in an environment where combustible gas may be generated.
- Do not install the unit in the following locations:
  - Locations subject to vibration such as ambulances and emergency helicopters.
  - A location where there is gas or flame.
  - A location where there is water or steam.
  - A location where chemicals are stored.
  - A location where the unit may easily fall.
- The common arrhythmia such as atrial premature beats, premature ventricular and atrial fibrillation will lead to inaccurate results or error.
- Measurements or stores need to take into account environment variables, or else it would lead to inaccurate measurement.
- When using or replacing the batteries, the operator should not touch those parts and the patient simultaneously.
- The battery has positive/negative polarity. If the battery does not connect well to the unit, do not forcibly connect it.
- Do not use Luer lock. If Luer lock connectors are used in the construction of tubing, there is a possibility that they might be inadvertently connected to intravascular fluid systems, allowing air to be pumped into a blood vessel.

1.2 Precaution ⚠

- Do not attempt to disassemble, repair or modify the blood pressure monitor.
- Avoid high temperature, moisture, dust and direct sunlight.
- Clean the body with soft dry cloth dipped in a concentration of 75% medical alcohol.
- Do not wet or clean the cuff with water.
- Clean the cuff with soft dry cloth after measurement.
- Do not use at extremely high temperature, high humidity, or high altitude. Use only within the required ambient conditions.
- Do not drop or expose the device to heavy shock.

- Do not use the unit near large equipment that uses a switching relay for power ON/OFF.
- Remove the batteries if the unit will not use for a long time.
- Clinical testing has not been conducted on newborn infants and pregnant women. Do not use on newborn infants and pregnant women.
- The blood pressure monitor has gone through several trials of testing to ensure the measurement accuracy. The end user should conduct a manufacturer recommended inspection and calibration annually.
- Blood pressure measurements determined with the device are equivalent to those obtained by a trained observer using the cuff/stethoscope auscultatory method, within the limit prescribed by the American National Standard, Manual, electronic or automated sphygmomanometers.
- Keep out of reach of infants, small children, and compromised people who cannot express their consent.

⚠ **Precaution！Please read the enclosed instruction.**

2. Product Feature

Scope: Measurement of Human Blood Pressure and Pulse Rate for Adults.

Body

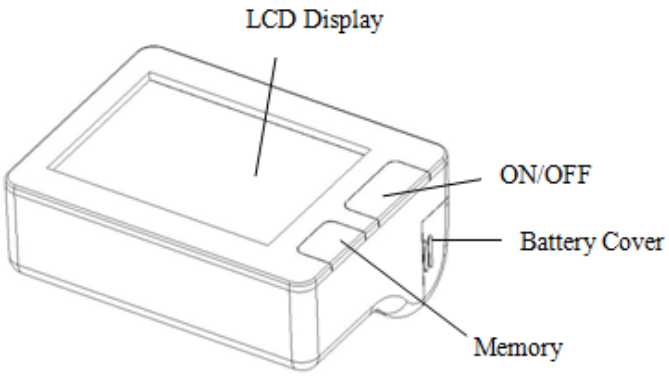

Fig 1

Cuff Label (Type BF Applied Part)

Applicable Wrist Circumference: 135 mm to 215 mm

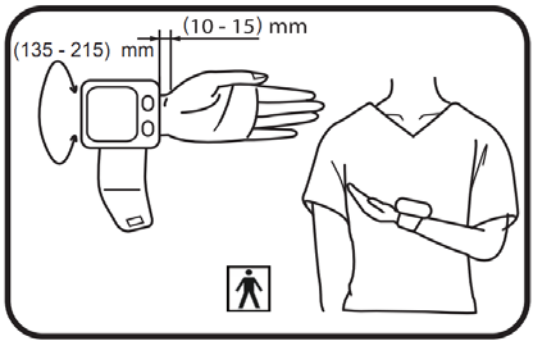

Fig 2

Note:  Symbol for"TYPE BF APPLIED PART"

Display

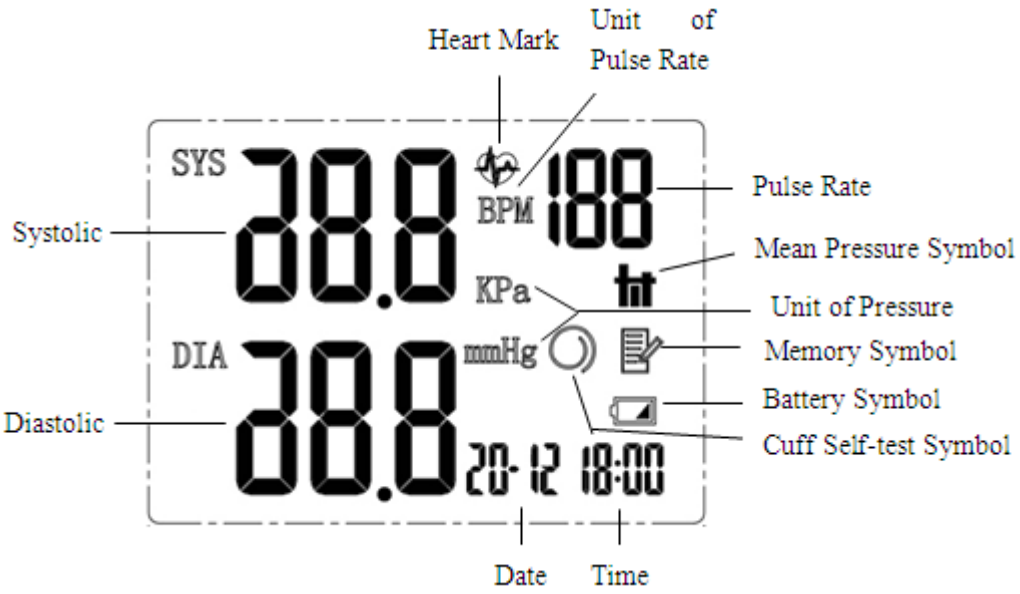

Fig 3

3. Pre Measurement

3.1 Battery

3.1.1 Installation and Replacement

1) Remove battery cover.
2) Load 2 standard AAA alkaline batteries.
3) Install back the battery cover.
4) Replace the battery if low battery icon is displayed.

- If the low battery symbol  is display, replace with new batteries, otherwise the unit will not function properly.
- Use 2 same brand 1.5 V AAA alkaline batteries and aware of the polarity of batteries during installation.
- Do not mix the new and old batteries.
- Remove the batteries if the unit is to remain unused for an extended period.
- Reset the time and date after battery replacement.

3.1.2 Battery Life

- Two new LR03 (AAA) batteries will last for approximately 200 measurements, if measurements are taken once a day at room temperature (23°C).
- The batteries enclosed in the package are used for demonstration purpose. It is possible that these batteries will therefore not last for 200 measurements.

- The battery life can be confirmed in the bottom right of the display. If the low battery symbol  is display, remaining power is low, replace with new batteries.

3.2 Setting Date and Time

1) With monitor power off.
2) Hold the【M】and【ON/OFF】button for 3 seconds, Year digits blinking.
   a) Change number.
      i. Press the【M】memory button to advance one number.
      ii. Hold down the【M】memory button, the number will change rapidly.
   b) Enter the two digit of the year number.
   c) Press the【ON/OFF】button will proceed to month setting.
   d) Repeat step a) to c) to set month, day, hour and minutes.
3) Unit Conversion (mmHg to kPa).
   a) Press the 【M】 memory button will automatically change the unit conversion as shown on Fig 4 or Fig 5.
   b) Complete setting the unit, press【ON/OFF】button to exit.

Fig 4

Fig 5

4. Take a Measurement

4.1 Important Notes

- Don't eat, drink alcohol, smoke, take a shower or exercise for at least 30 minutes before you take your blood pressure and don't use any medicines that can raise blood pressure.
- Do not try to take your blood pressure if you are nervous or upset. If you are nervous, anxious, or agitated your blood pressure will rise.
- Rest for 5～10 minutes before taking a reading. Sit in a comfortable, relaxed position. Don't move around or talk while taking the blood pressure. Leave your legs in one position, breath freely and calmly.
- The blood pressure cuff should fit over about 3/4 of your wrist. It should easily go around the wrist and the Velcro should close tightly.
- If you can, use the same wrist for every reading.
- Measuring blood pressure at the same time on different days should give about the same reading (excluding outside influences like exercise).
- Changes in medication or nutritional supplement can alter your result. Please consult your doctor before taking or stopping medications or supplement.

4.2 Applying the Wrist Cuff

1) Roll up sleeve.
   Make sure your sleeve is not rolled up too tightly on your arm. This may constrict the flow of blood in your arm.
2) Wrap the cuff directly against your skin.
   Do not apply the cuff over the clothes. Place the cuff over your left wrist with your left thumb facing upward.
3) Position the cuff leaving a clearance of approximately 10 mm to 15 mm between the cuff and the bottom of your palm (Fig 6).
4) Hold the bottom part of the cuff and wrap it around the wrist so it fits comfortably and securely around your wrist (Fig 7).
5) Fold the remaining part of the wrist cuff back out of the way.
6) If you cannot apply the cuff on the left wrist, you also can take a measurement using the right wrist position.

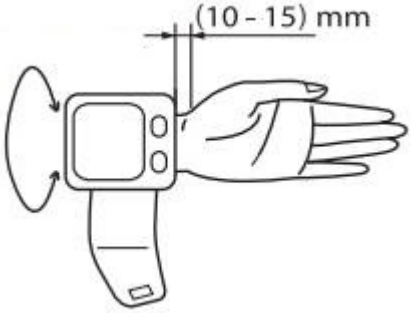

Fig 6

Fig 7

4.3 Body Posture during Measurement

- Hold your wrist at the same level with your heart as show on Fig 8. If your arm is too low, your reading will be too high. If your arm is too high, your reading will be too low.
- Keep your elbow firmly to avoid body movement. Sit still and do not talk or move during the measurement.
- The fingers do not force when measurement. The measurement wrist do not bent up or down, and do not clenched fist.
- Do not use the other hand to support the wrist strap, otherwise it will affect the measurement result.

Fig 8

4.4 Taking a Measurement

After installing the batteries and fitting the cuff, the unit is ready for measurement:

1) In order to get the most accurate result, please relax, do not smoke or take deep breath, and do not speak loudly or move around during the measurement.

2) Turn on the 【ON/OFF】 button. Display will lit-up for 1 second as shown on Fig 9.
3) Then the display switch to Fig 10, a beep sound indicates the monitor has begun taking the measurement.
4) When the device detects a pulse, the heart symbol will flash as shown on Fig 11. The cuff inflates, and your pulse and blood pressure measurement is taken.
5) If the cuff is too loose, the cuff self-test symbol will flash for 30 seconds, at this case, please confirm the cuff is wrapped up correctly, and take the measurement again.
6) When completing the test, the cuff will automatically deflate and the test result will display on the screen as shown on Fig 12.
7) When completing the test, if the device detects an arrhythmia, the heart symbol will flash.
8) You may turn off the unit or compare with the previous results.
9) Automatic shut off in 3 minutes.
10) If a problem occurs during the test, “Err” will display on the screen.

Fig 9

Fig 10

Fig 11

Fig 12

Notes:

- Do not self-diagnosis according to measurement results. Follow the instructions of your physician or licensed healthcare provider.
- Only use the cuff provided by manufacturer to ensure the measurement accuracy.
- The blood pressure monitor only will remind the end user on high blood pressure as follows: When the systolic pressure is greater or equal to 140mmHg and/or when the diastolic pressure is greater or equal to 90mmHg as abnormal. The display will flash to remind the end user of the blood pressure abnormality.
- If the device cause any discomfort during measurement or fail to perform as indicated, turn off the power or discontinue use.
- The time of the pressure reduced from 260mmHg (34.67kPa) to 15mmHg (2kPa) does not exceed 10s.
- If cuff inflated up to 300 mmHg (40 kPa) doesn’t stop, please remove the cuff or power off the unit.

4.5 Data Transmission

The device can transmit the data to the data management system by Bluetooth. When complete the measurement, the Bluetooth symbol of display will flash (Fig 12). After data transmission, the Bluetooth symbol will disappear.

Note: when the Bluetooth symbol disappeared, you can turn off the power after, otherwise, may clause the failure of data transmission.

4.6 Memory

The internal memory can hold up to 90 readings.

1) Memory Review
   a) To access readings from the memory, press the【M】memory button.
   b) Wait for 2 seconds, the average of most recent 3 sets of data will display.
   c) When holding the【M】memory button the user can view the data from the most recent date to the oldest date.
2) Delete Memory Data
   a) Enter into the memory mode.
   b) Press and hold the【M】and【ON/OFF】button until the "---" displayed.
   c) All the data will be deleted. The device is not capable to delete a single data.
   d) Press the【ON/OFF】button for 3 seconds to exit the memory mode and turn off.

5. Error Indication

List of error codes are as follows:

Error	Cause	How to correct
Cuff self-test symbol	Power on, cuff inflation rate is too low or main unit does not connect with the cuff or cuff is too loose.	(1) Cuff or bladder leakage, please connect manufacturer. (2) Confirm the cuff is wrapped up correctly (ref 4.2), retake the measurement.
Er 2	Weak signal or cuff is too loose.	Cuff too loose. Confirm the cuff is wrapped up correctly (ref 4.2) retake the measurement.
Er 3	Heavy shock during the measurement.	The fingers do not force when measurement. The measurement wrist do not bent up or down, do not clenched fist. Then retake the measurement (ref 4.3).
Er 5	Bad signal, moving or talking during the measurement.	Remain still, and retake the measurement (ref 4.1).
Er7	Measurement abnormal.	Please retake the measurement.
Lo	Low battery power, cannot inflate.	Change the batteries (ref 3.1).

6. Trouble Shooting

When the unit encounters malfunction during the use, refer to table below:

Abnormal	How to correct
After batteries installation, power on, no display.	(1) Check batteries polarity. (2) If still cannot power on, reinstall the batteries or change new batteries.
Measured value is abnormally high or low.	(1) Confirm the cuff is wrapped up correctly. (2) If the user clothing restricts the normal flow, please remove the obstructing clothing and retake the

	measurement. (3) Place the cuff over your left wrist with your left thumb facing upward and hold your wrist at the same level with your heart. Retake the measurement.
Cuff inflation rate is too low or does not inflate.	(1) Cuff or bladder leakage, please connect manufacturer. (2) Confirm the cuff is wrapped up correctly (ref 4.2), retake the measurement.
Cuff deflates too quickly.	(1) Cuff too loose; confirm the cuff is wrapped up correctly.
Measure value is different from the hospital or the value is inconsistent.	（1） Blood pressure value is varied during the day which also will affect by the human emotional and physical condition. （2） Record the variance and consult to the doctor.

*If the above suggestion doesn't remediable, please dial Service Hotline: 86-4006 755 009 for consultant.

7. Specification

Description	Blood Pressure Monitor	Model	BF2214(0B)
Display	LCD Digital Display	Measuring Principle	Oscillometric Method
Measurement Range	Pressure: 0mmHg~280mmHg (0kPa~37.3kPa) Pulse: 40 pulse/min ~180 pulse/min	Accuracy	Pressure: ±3mmHg (±0.4kPa) Pulse: ±5%
Memory	90 sets memory of measurement values	Automatic Power Off	Unattended 3 minutes
Power Source	2 AAA Alkaline batteries	Battery Life	Approx 200 measurements
Life Time	Five years or 10000 times	IP classification	IP21
Operating Environment	Temperature: +5℃～+40℃; Humidity: ≤93% Pressure: 70.0kPa～106.0kPa Altitude: ≤ 3 000 m	Storage Environment	Temperature: -25℃～+70℃; Humidity: 10%～95% Pressure: 50.0kPa～106.0kPa
Weight	About 112g (Without batteries)	Size	75mm×57mm×34mm
Protection Against Electric Shock	Type BF 	Contents	·2 AAA Alkaline Batteries ·Storage Case (Optional) ·Instruction Manual ·Guarantee Card

This unit is intended for home use and the specification may be changed without prior notice. Please dispose of the batteries according to local regulations.

Important information regarding Electro Magnetic Compatibility (EMC)

With the increased number of electronic devices such as PC's and mobile (cellular) telephones, medical devices in use may be susceptible to electromagnetic interference from other devices. Electromagnetic interference may result in incorrect operation of the medical device and create a potentially unsafe situation.

In order to regulate the requirements for EMC (Electro Magnetic Compatibility) with the aim to prevent unsafe product situation, the IEC60601-1-2 standard has been implemented. This standard defines the levels of immunity to electromagnetic interferences as well as maximum levels of electromagnetic emissions for medical devices.

This medical device manufactured by pump conforms to this IEC60601-1-2:2007 standard for both immunity and emissions.

Nevertheless, special precautions need to be observed:

• Do not use mobile (cellular) telephones and other devices, which generate strong electrical or electromagnetic fields, near the medical device. This may result in incorrect operation of the unit and create a potentially unsafe situation. Recommendation is to keep a minimum distance of 7 m. Verify correct operation of the device in case the distance is shorter.

Further documentation in accordance with IEC60601-1-2:2007 is available at pump at the address mentioned in this user manual.

Guidance and manufacturer's declaration

Guidance and manufacturer's declaration – electromagnetic emissions

The [EQUIPMENT or SYSTEM] is intended for use in the electromagnetic environment specified below. The customer or the user of the [EQUIPMENT or SYSTEM] should assure that it is used in such an environment.

Emissions test	Compliance	Electromagnetic environment - guidance
RF emissions CISPR 11	Group 1	The [EQUIPMENT or SYSTEM] uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class B	
Harmonic emissions IEC 61000-3-2	Not applicable	
Voltage fluctuations/flicker emissions IEC 61000-3-3	Not applicable	

Guidance and manufacturer's declaration – electromagnetic immunity

The [EQUIPMENT or SYSTEM] is intended for use in the electromagnetic environment specified below. The customer or the user of the [EQUIPMENT or SYSTEM] should assure that it is used in such an environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
Electrostatic discharge (ESD) IEC 61000-4-2	±6 kV contact ±8 kV air	±6 kV contact ±8 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%. If ESD interfere with the operation of equipment, counter

			measurements such as wrist strap, grounding shall be considered.
Electrical fast transient/burst IEC 61000-4-4	±2 kV for power supply lines ± 1 kV for input/output lines	Not applicable	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	± 1 kV differential mode ±2 kV common mode	Not applicable	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	< 5% UT (>95% dip in UT) for 0.5 cycle 40% UT (60% dip in UT) for 5 cycles 70% UT (30% dip in UT) for 25 cycles < 5% UT (>95% dip in UT) for 5 sec	Not applicable	Mains power quality should be that of a typical commercial or hospital environment. If the user of the [equipment or system] requires continued operation during power mains interruptions, it is recommended that the [equipment or system] be powered from an uninterruptible power supply or a battery.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.

Guidance and manufacturer's declaration – electromagnetic immunity –
for EQUIPMENT and SYSTEMS that are not LIFE – SUPPORTING

Guidance and manufacturer's declaration – electromagnetic immunity
The [EQUIPMENT or SYSTEM] is intended for use in the electromagnetic environment specified below. The customer or the user of the [EQUIPMENT or SYSTEM] should assure that it is used in such an environment.

Immunity test	**IEC 60601 test level**	**Compliance level**	**Electromagnetic environment - guidance**
Conducted RF IEC 61000-4-6 Radiated RF IEC 61000-4-3	3 Vrms 150 kHz to 80 MHz 3 V/m 80 MHz to 2.5 GHz	3V 3V/m	Portable and mobile RF communications equipment should be used no closer to any part of the [EQUIPMENT or SYSTEM], including cables, than the recommended separation distance calculated from the equation applicable to the frequency or the transmitter. Recommended separation distance $d = 1.2 \sqrt{p}$ $d = 1.2 \sqrt{p}$ 80 MHz to 800 MHz $d = 2.3 \sqrt{p}$ 800 MHz to 2.5 GHz Where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended

			separation distance in meters (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, should be less than the compliance level in each frequency range. Interference may occur in the vicinity of equipment marked with the following symbol: 

Recommended separation distances between portable and mobile
RF communications equipment and the EQUIPMENT or SYSTEM –
For EQUIPMENT and SYSTEMS that are not LIFE – SUPPORTING

Recommended separation distances between portable and mobile RF communications equipment and the [EQUIPMENT or SYSTEM]

The [EQUIPMENT or SYSTEM] is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the [EQUIPMENT or SYSTEM] can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the [EQUIPMENT or SYSTEM] as recommended below, according to the maximum output power of the communications equipment.

Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter m		
	150 kHz to 80 MHz $d = 1.16\sqrt{p}$	80 MHz to 800 MHz $d = 1.16\sqrt{p}$	800 MHz to2.5 GHz $d = 2.33\sqrt{p}$
0.01	0.12	0.12	0.23
0.1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

FCC statement:

Warning: 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.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

FCC ID: 2AAS7-BFY

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

8. About Blood Pressure

8.1 What is Blood Pressure?

Blood pressure (BP) is the pressure exerted by circulating blood upon the walls of blood vessels, and is one of the principal vital signs.

Two pressures are measured for a blood pressure reading:

- Systolic blood pressure is a measure of blood pressure while the heart is beating.
- Diastolic pressure is a measure of blood pressure while the heart is relaxed.

8.2 What is High Blood Pressure?

High blood pressure, also known as HBP or hypertension, is a widely misunderstood medical condition. Some people think that those with hypertension are tense, nervous or hyperactive, but hypertension has nothing to do with personality traits. The truth is, you can be a calm, relaxed person and still have HBP. Let's look at the facts about blood pressure so you can better understand how your body works and why it is smart to start protecting yourself now, no matter what your blood pressure numbers are.

By keeping your blood pressure in the healthy range, you are:

- Reducing your risk of your vascular walls becoming overstretched and injured
- Reducing your risk of your heart having to pump harder to compensate for blockages
- Protecting your entire body so that your tissue receives regular supplies of blood that is rich in the oxygen it needs

Category	Systolic (mmHg)		Diastolic (mmHg)
Desirable	<120	and	<80
Pre hypertension	120-139	and/or	80-89
Hypertension:	≥140	and/or	≥90
Stage 1 Hypertension	140-159	and/or	90-99
Stage 2 Hypertension	160-179	and/or	100-109
Hypertensive Crisis	≥180	and/or	≥110

These categories were defined by the American Heart Association. This chart applies to adults age 20 and older.

8.3 What is Morning Hypertension (Morning Surge)?

Morning high blood pressure or morning surge is defined as the weekly average for morning blood pressure reading measured within 1 hour to 2 hours after awakening in the morning and exceeding 135/85mm Hg. Studies have shown that exaggerated morning blood pressure surge is a risk for cardiovascular events which includes ischemic and hemorrhagic stroke. Cardiovascular events have been shown to be exaggerated in the morning to coincide with morning high blood pressure. In fact heart attack, stroke and heart failure have been shown to fall particularly on a Monday amongst all the other days of the week.

Organ damage and diabetic complications have also been shown to be linked with morning blood pressure surges just in the same way as small artery disease and multiple celebral infarcts in elder members of society. Morning high blood pressure has shown some correlation with initial stage and progression of atherosclerosis. Patients with well controlled blood pressure may still have high morning blood pressure and this happens in 50% of the cases. Patients with morning hypertension have a 78% more chance of stroke compared with 48% of other hypertensive patients without morning high blood pressure. Morning hypertension has also been associated with changes in heart size and rhythm. This may lead to heart attack or heart failure.
Morning Hypertension can only detect within 1 hour to 2 hours after awakening, recommended user monitor their own blood pressure at home.

Reference Standard

• IEC 60601-1: 2005 Medical electrical equipment-Part1: General requirements for safety and essential performance.

• IEC 60601-1-2:2007 Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral standard: Electromagnetic compatibility – Requirements and tests

• EN 1060-1:1995+A2:2009 Non-invasive sphygmomanometers – parts1: General requirements

• EN 1060-3:1997+A2:2009 Non-invasive sphygmomanometers – parts3: Supplementary requirements for electro-mechanical blood pressure measuring systems.

• ANSI/AAMI SP-10:2002+A1:2003+A2: 2006/(R)2008 Manual, electronic, or automated sphygmomanometers

•ANSI/AAMI/ISO 81060-2-2009 Non-invasive sphygmomanometers-Part 2:Clinical validation of automated measurement type

Blood Pressure Measurement Chart

Date	Time	SYS/DIA	Pulse	Remark	Date	Time	SYS/DIA	Pulse	Remark

Guarantee Card

Product Model		Product SN	
Date of Purchase		Distributor	
Customer Name		Tel	
Address			
Details of the faults:			

Warranty Rule

- The unit of this product is guaranteed by PUMP for a period of 1year after the date of purchase.
- The guarantee does not cover any of the following:
  -- Risks of transport.
  -- Damages caused by the operating environment which is not in accordance with the product requirements.
  -- Defects resulting from repair by unauthorized persons.
  -- Damages caused by user who disassemble or modify the structure of the unit and damage the safety performance.
  -- Product guarantee card is not accord with the serial number or the guarantee card is changed.
- This product is medical device, to ensure the accuracy of the product when using it, we would like to continue to provide you with paid services after the guarantee periods.

SHENZHEN PUMP MEDICAL SYSTEM CO., LTD.

Certificate

Product Name: Blood Pressure Monitor

Product Model: BF2214(0B)

Notes:

LOT Symbol for "batch code"

Symbol for "manufacturer"

CE0123 Symbol for"CE"

Symbol for "Follow operating instructions"

Symbol for"TYPE BF APPLIED PART"

IP21 Symbol for "the IP classification"

Symbol for "electrical and electronic equipment"

EC REP Symbol for "AUTHORISED REPRESENTATIVE IN THE EUROPEAN COMMUNITY"

After-Sale Service

Manufacturing Enterprises: Shenzhen Pump Medical System Co., Ltd.

ADD: 2/F West, M-7 Sinosteel Building, Maqueling Estate, Hi-Tech Industrial Park, Nanshan District, Shenzhen 518057, China

Tel: 86-0755-26710795/26067119

Fax: 86-0755-26012025

Service Line: 86-4006 755 009

E-mail: service@bpump.com.cn

EC REP Shanghai International Trading Corp. GmbH (Hamburg)
Address: Eiffestrasse 80, 20537 Hamburg, Germany