Wireless
Blood Pressure Monitor

User Manual
Rev 7 2015

WARRANTY

This blood pressure monitor and the cuff is warrantied to be free from defects in materials and workmanship appearing within 1 year from date of purchase, when used as per instructions provided. The warranty is extended only to the original purchaser. All implied warranties are limited to 1 year from date of purchase. Batteries are excluded from the warranty. We will at our option, without charge repair or replace blip BP monitor or cuff covered by the warranty. This is the only remedy under the above warranty. To obtain warranty service, contact us for the address of the repair location and the return shipping and handling fee. When obtaining service, enclose proof of purchase, with your name, address, contact number, & description of problem. We are not liable for any loss of use or any other incidental, consequential or indirect costs, expenses or damages, unless not allowed by law.

Thank you for purchasing the blip Blood Pressure Monitor!

Date of purchase :_____Serial Number:_____

Questions? Comments? Call us at +1 (877) 837-9730

DESIGNED BY BLIPCARE IN USA.
Learn more @ www.blipcare.com

2015
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INTENDED USE

This device is a non-invasive blood pressure monitor. It is intended to measure Blood Pressure (Systolic and Diastolic) and Pulse Rate in the adult population (18 years or above) at home and/or office environment. The device is intended to store the readings in the BP Monitor memory and to transmit stored data to a web server on the Internet over a Wi-Fi wireless network for easy and efficient health record keeping and trending for up to two users.

The device is designed as a home healthcare product only and not intended to serve as a substitute for the advice of a physician or medical professional. The device is designed to provide supplemental information only. Supplemental information refers to information for trending purposes only. The device or the device software is not intended to provide diagnostic information on which treatment or therapy is based, such that when misapplied it could result in serious injury or death. The device is not intended for those diagnosed with Arrhythmia, pacemakers, stroke episodes, or diabetes that may need active monitoring.

The blip BP is easy to set up, but before you connect to your home wireless network, take a minute to register your device. This gives you access to all of the features available through the web portal.

 Read this manual before use.

 Type BF Applied part (cuff)

ABOUT BLOOD PRESSURE

High Blood Pressure, or hypertension, is a medical condition in which the arterial blood pressure is elevated. High blood pressure can be classified as “primary”, meaning that no medical cause can be found, or as “secondary”, meaning that it is caused by other conditions that affect the kidneys, arteries, heart or endocrine system. Persistent high blood pressure is a risk factor for conditions such as stroke, heart failure, arterial aneurysm and others. It is also a leading cause of chronic kidney failure. Even moderately elevated blood pressure for an extended period of time may shorten your life expectancy.

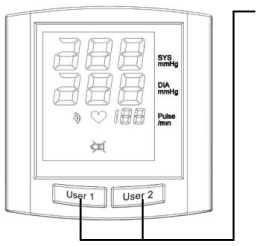
Blood pressure can fluctuate considerably through the course of a single day, and it is also affected by the seasons and by the weather. One or two readings are not sufficient to get an accurate picture of your blood pressure. Ideally, you should check your blood pressure at fixed times several times a day, every day to monitor your health on an ongoing basis. For a normal, healthy person blood pressure fluctuates within a range of approximately ±10 mmHg.

JNC7 Classification Table

Range	Systolic (mmHg)	Diastolic (mmHg
Stage 2 Hypertension	≥160	≥100
Stage 1 Hypertension	140-158	90-99
Prehypertension	120-139	80-89
Normal	<120	<80

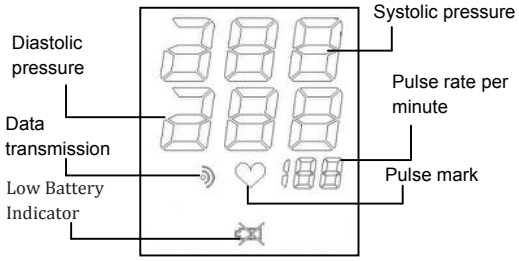
SOURCE: The Seventh Report of the Joint National Committee on Prevention, Evaluation and Treatment of High Blood Pressure for Adults. NHLBI - May 2003.

BUTTON LAYOUT AND DISPLAY



Pressing User 1 or User 2 button once will START to inflate the cuff and begin the measurement. Pressing the button again while the cuff is inflating will STOP the measurement and deflate the cuff.

Each of the user buttons tracks a separate group of data. This can be used by two users individually, or one person can track their blood pressure at home & work, during the day and night, etc.



SETTING UP

Before proceeding please read instructions for set up.

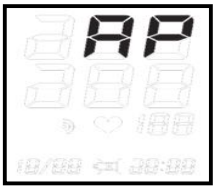
A. Please register your blip Blood Pressure Monitor at **http://www.blipcare.com** using your Device Serial Number located under the bar code at the bottom of your device.

B. Once registered on blipcare.com you will be able to access your account using your login and password. Whenever you take readings, the Blood Pressure Monitor will transfer the readings to your account and store them for future review. When you login to your account, you will be able to review readings, print reports and share information as needed with your clinician.

C. For the Blood Pressure Monitor to transmit readings to the web portal, it must be connected (or paired) to a Wi-Fi network. You should have the following available to setup the Wi-Fi connection:
   a. SSID for Wi-Fi network_____
   b. Password for Wi-Fi network_____
   c. Computer/Laptop or mobile device capable of connecting to a Wi-Fi network.

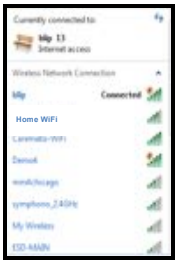
Setting up contd..

D. When batteries are installed in the device (Refer to Page 36- Appendix A) it will enter AP mode Do *NOT* take readings in AP Mode.



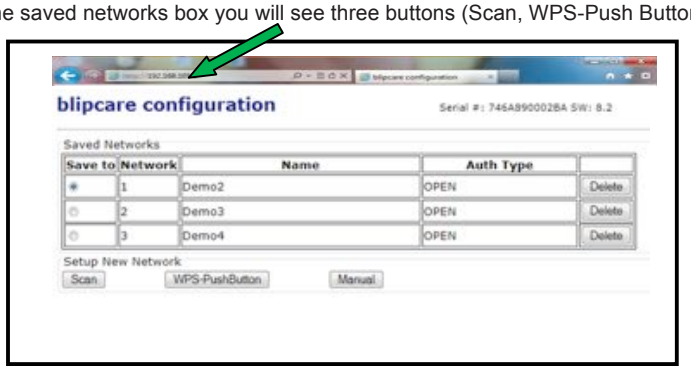
E. On your computer/laptop/tablet/phone search for available Wi-Fi networks that you can connect to. Look for "blip"

F. Select "blip" and connect to it.



Setting up contd.

G. While you are still connected to "blip" and Blood Pressure Monitor is still in AP Mode, open any browser and go to **http://192.168.101.1** This will take you to the Blip Configuration page where you will see a list of saved networks (if there are any). Under the saved networks box you will see three buttons (Scan, WPS-Push Button and Manual)



Setting up contd.: SCAN

Clicking "Scan" will show you a list of active Wi-Fi networks that you can connect to. Look for your Wi-Fi network name. Enter your Wi-Fi network password into the “Credential” column and click “Connect”. If the Blood Pressure Monitor connects to the network a message will be displayed “Successfully Connected and Saved !”.

If a connection is not established, check the password and try again. If "Scan" mode fails or you want to connect via another mode try one of the other connection methods as on the following pages.

Setting up contd.: WPS-PUSHBUTTON

If your router supports Wi-Fi Protected Setup (WPS) feature click "WPS-PushButton" on the blip configuration page then press the "WPS-PushButton" on your router to connect to your network. If the BP monitor connects to the network a message will be displayed indicating “Successfully Connected and Saved!”

MANUAL

You must have SSID (i.e.Wi-Fi network name), Auth Mode (i.e. Security Type) and WPA Passphrase (i.e. SSID password) for your Wi-Fi network. WEP Key is optional. Click the “Manual” button on the configuration page and enter the required details manually.

Note-

1. The Blood Pressure unit times out of the AP mode in about 4 minutes.
2. If at any point the Blood Pressure monitor does not display “AP” on the screen, remove batteries for approximately 30 seconds then replace the batteries to re-enter AP mode.
3. You can setup and save up to 3 different network credentials.

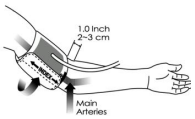
HOW TO MEASURE YOUR BLOOD PRESSURE

Before taking a reading, you should sit quietly for around 10 minutes, and there should be an interval of at least 5 minutes between readings. While taking a measurement, you should stay calm and relaxed, and try not to talk. This will improve the accuracy of the readings.

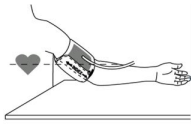
The following factors can affect the results of blood pressure readings: exercise, taking a shower or bath, breathing, speaking, smoking, drinking alcohol, medication, vibration, eating, changes in temperature, stress, mood, etc.

PUTTING ON THE ARM CUFF

Rest your left arm on a table and relax your arm.



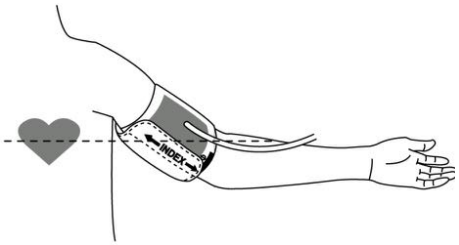
Correct cuff placement
Wrap the arm cuff snugly. You should be able to fit one finger between the cuff and your arm.



Correct level
Make sure the cuff is at heart level. When measuring blood pressure, lightly bend your elbow while resting your arm on a table. If the level of the arm cuff is lower than the heart, adjust the height by using a pillow or a cushion.
Put your left arm through the cuff loop. The “OK” range indication should be positioned at the top with the rubber tube pointing downward in the direction of your forearm. Position the artery mark over the main arteries on the inside of your arm as shown in the figure to the right. The tube should be running down the center of your arm.

PROPER POSTURE contd.

Turn your left palm upward and place the edge of the arm cuff at approximately 1 inch above your elbow. The cuff should be tight enough on the arm to allow the insertion of one finger between the cuff and arm.



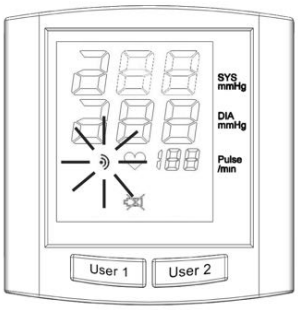
TAKING A MEASUREMENT

1. Push either the USER 1 or USER 2 button once to START the measurement.
2. ”00” will blink on the LCD.
3. About 2-3 seconds later, the pressure will be reset. Then the cuff will begin to inflate and the pressure will be displayed.
4. This cuff will inflate automatically as the monitor detects that your body requires more pressure for measurement. The BP will beep during measurement to indicate it is in progress. After displaying the measurement reading, the unit will STOP by itself.

Note: The blood pressure monitor is a sensitive instrument. You should not move or talk while your monitor is measuring your blood pressure. Remain quiet and relaxed with your arm still during a measurement. In case of discomfort or pain during inflation, press any user button and the BP will STOP the measurement and deflate the cuff. Remove the cuff immediately. If you see an error message, please refer to the Error Messages section to diagnose any possible problems with the unit.

TAKING A MEASUREMENT contd.

After finishing a measurement, values for systolic pressure, diastolic pressure, and pulse rate will be displayed on the LCD as shown in the diagram.



The blood pressure monitor will automatically transfer your measurement to the web portal via Wi-Fi wireless network.

While transmitting a reading, the data transmission symbol will blink on and off.

Measurements should ideally be taken at the same time every day, with a short rest of at least 5-10 minutes beforehand.

This will help with the accuracy of your readings.

MAINTENANCE




1. Do not use an alcohol-based solvent or cleaning agent to clean the device.
2. Clean the device with a soft, dry cloth.
3. Do not immerse the device or cuff in water.
4. Do not bend the cuff or sleeve, and do not wrap the sleeve inside-out.
5. Do not dismantle the device or cuff or try to repair the unit by yourself. If you have a problem, contact the manufacturer.
6. Do not operate the unit under conditions of extreme temperature or humidity, or direct sunshine.
7. Do not shake the unit.
8. When storing, make sure the air tubing is wrapped so that there are no sharp bends. This will prolong the life of the cuff.

Note: Manufacturer will make available on request circuit diagrams, component part lists, descriptions, calibration instructions, or other information that will assist manufacturer's staff or authorized representative for repair.

REFERENCE TO STANDARDS

* COUNCIL DIRECTIVE 93/42/EEC of 14 June 1993 concerning medical devices as amended by Directive 2007/47/EC
* IEC60601-1: 2005 + CORR. 1 (2006) + CORR. 2 (2007); EN 60601-1:2006+AC2010 Medical electrical equipment - Part 1:General requirements for basic safety and essential performance
* EN1060-3:1997+A1:2005+A2:2009:Non-invasive sphygmomanometers, Part 3: Supplementary requirements for electromechanical blood pressure measuring systems
* EN55022: 2006 + A2: 2010, Class B: Information technology equipment-Radio disturbance characteristics -Limits and methods of measurement
* EN60601-1-2: 2007 CISPR: 2011: Medical electrical equipment: Part 1□2: General requirements for basic safety and essential performance-collateral standard electromagnetic compatibility
* EN1060-4: 2004 Non-invasive sphygmomanometers. Test procedures to determine the overall system accuracy of automated non-invasive sphygmomanometers.
* EN ISO 13485:2003 /AC: 2009:Medical devices - Quality management systems – Requirements for regulatory purposes (ISO 13485:2003)

Reference to standards contd.

* EN ISO14971:2012: Medical devices - Application of risk management to medical devices (ISO 14971:2007, Corrected version 2007-10-01)
* EN ISO 10993-1:2009 Biological evaluation of medical devices-Part 1: Evaluation and testing within a risk management process (ISO 10993-1:2009)
* ANSI/AAMI SP10: 2002/A1 2003(R) 2008: Manual, electronic or automated sphygmomanometers
* ANSI/AAMI/ISO 81060-2:2009 Non-invasive sphygmomanometers – Part 2: Clinical validation of automated measurement type
* FCC Part 15:2010, Sub part B, Class B: Electromagnetic Compatibility
* EN301489-1 v1.9.2 (2011-09)
* EN301489-3 v1.4.1 (2002-08)

General Communications Commission (FCC) Statement 15.21

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Consult the dealer or an experienced radio/TV technician for help.

General Communications Commission (FCC) Statement 15.21 contd.

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 of the device.

FCC RF Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

RF STATEMENT

-Medical Electrical Equipment needs special precautions regarding EMC and needs to be installed and put into service according to the EMC information provided in the following.

-Interference may occur in the vicinity of equipment marked with 

-Portable and mobile RF communication equipment (e.g. cell phones) can affect Medical Electrical Equipment.

-The use of accessories and cables other than those specified may result in increased emissions or decreased immunity.

-BP-700WF 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 STATEMENT contd.

-BP-700WF is suitable for use in all establishments, including domestic establishments and those directly connected to the public low voltage power supply network that supplies buildings used for domestic purposes.

-Portable and mobile RF communications equipment should be used no closer to any part of BP-700WF wireless blood pressure monitor, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.

-BP-700WF is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. Any other accessories, transducers and cables may result in increased emissions or decreased immunity and EMC performance.

-BP-700WF should not be used adjacent to or stacked with other equipment and that if adjacent or stacked use is necessary, which should be observed to verify normal operation in the configuration in which it will be used.

RF STATEMENT contd.

Medical Electrical Equipment needs special precautions regarding EMC and needs to be installed and put into service according to the EMC information provided in the following. Portable and mobile RF communication equipment (e.g. cell phones) can affect Medical Electrical Equipment. The use of accessories and cables other than those specified may result in increased emissions or decreased immunity of the unit.

Recommended separation distances between
Portable and mobile RF communications equipment and the ME equipment

The Wireless Blood Pressure Monitor is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the Wireless Blood Pressure Monitor can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the Wireless Blood Pressure Monitor 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 80MHz $d=\left[\frac{3,5}{V_1}\right]\sqrt{P}$	**80 MHz to 800 MHz** $d=\left[\frac{3,5}{E_1}\right]\sqrt{P}$	**800 MHz to 2.5 GHz** $d=\left[\frac{7}{E_1}\right]\sqrt{P}$
0.01	0.12	0.12	0.23
0.1	0.37	0.37	0.74
1	1.17	1.17	2.33
10	3.7	3.7	7.37
100	11.67	11.67	23.33

RF Statement contd.

Declaration – electromagnetic emissions and immunity for EQUIPMENT and SYSTEMS that are not LIFE-SUPPORTING and are specified for use only in a shielded location

The Wireless Blood Pressure Monitor declaration-electromagnetic immunity				**Declaration – electromagnetic immunity**			
The Wireless Blood Pressure Monitor system is intended for use in the electromagnetic environment specified below. The customer or the user of the Wireless Blood Pressure Monitor system should assure that it is used in such an environment.				The Wireless Blood Pressure Monitor system is intended for use in the electromagnetic environment specified below. The customer or the user of the Wireless Blood Pressure Monitor system should assure that it is used in such an environment.			
Immunity test	IEC 60601 test level	Compli ance level	Electromagnetic environment - guidance	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 %.
Conducted RFIEC 61000-4-6	3 Vrms 150 kHz to 80 MHz	N/A	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 of the	Electrical fast transient/burst IEC 61000-4-4	2 kV for power supply lines 1 kV for input/output lines	N/A	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	N/A	Mains power quality should be that of a typical commercial or hospital environment.
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2.5 GHz	N/A		Voltage dips, short interruptions and voltage	-5 % UT(95 % dip in UT) for 0.5 cycle -40 % UT(60 % dip in UT) for 5 cycles	N/A	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

			transmitter. Interference may occur in the vicinity of equipment marked with the following sym bol. 	variations on power supply input lines IEC 61000-4-11	-70 % UT(30 % dip in UT) for 25 cycles -5 % UT(95 % dip in UT) for 5 sec		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	N/A	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.

Declaration – electromagnetic emissions

The Wireless Blood Pressure Monitor is intended for use in the electromagnetic environment specified below. The customer or the user of the Wireless Blood Pressure Monitor should assure that it is used in such an environment.

Emissions test	Compliance	Electromagnetic environment - guidance
CE emissions CISPR11	Group 1 Class B	The Wireless Blood Pressure Monitor 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.
RE emissions CISPR11		
Harmonic emissions IEC 61000-3-2	N/A	The Wireless Blood Pressure Monitor is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Voltage fluctuations/ Flicker emissions IEC 61000-3-3	N/A	

!

SAFETY STATEMENTS

Warning: No modification of this equipment is allowed

1. This unit will not serve as a cure for any symptoms of heart disease. The measuring data is only for reference. Always consult your physician for interpreting results.
2. Always follow the operating procedures described in this manual to measure your blood pressure accurately.
3. Do not inflate the arm cuff without having the cuff wrapped on your arm.
4. Do not drop this unit. Protect it from strong impacts.
5. Be sure to keep this manual in a safe place for future reference.
6. Blood pressure measurement may be inaccurate if the device is used close to a television, microwave oven, mobile phone, X-ray or other device with a strong electrical field.
7. Do not use this unit on infants or on persons who cannot communicate.
8. Please use only authorized parts and accessories from authorized sources with this unit.
9. 802.11e does not guarantee throughput or a minimum Quality of Service. Also, readings may not be transmitted if an associated 802.11 network is unavailable for any reason.

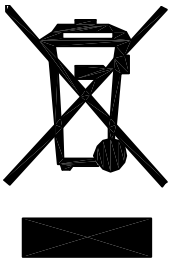
BATTERY SAFETY

Batteries may leak and damage the main unit.
Please observe the following precautions:

* Use only high quality alkaline AA batteries.
* When you are not going to use the unit for a long period of time (approximately three months or more) take out the batteries.
* Replace worn batteries with new ones immediately.
* Do not use worn and new batteries together.
* Do not insert the batteries with their polarities in the wrong direction.
* Do not touch battery terminals with wet, bare skin.
* Do not use rechargeable batteries.
* If battery acid comes in contact with skin or eyes, immediately wash with copious amounts of water. Consult a physician if irritation does not subside.

DISPOSAL

Actuation of European directives 2002/95/EC, 2002/96/EC and 2003/108/EC, for reduction in use of dangerous substances in the electric and electronic device and for garbage disposal. The symbol applied on the device or its packaging means that at the end of its useful life the product must not be disposed of with domestic waste. At the end of devices useful life, the user must deliver it to the able collecting centers for electric and electronic garbage, or give back to the retailer when purchasing a new device. Disposing of the product separately prevents possible negative consequences for the environment and for health, deriving from inadequate disposal. It also allows the recovery of materials of which it's made up in order to obtain an important saving of energy and resources and to avoid negative effects to the environment and health. In case of abusive disposal of device by the user, will be applied administrative endorsements in compliance with current standard.



ERROR MESSAGES

Error	Cause	Remedy
	Low voltage or internal circuit problem	Remove and re-install new batteries. If the problem persists, please contact the manufacturer.
	Abnormal situation during inflation	1. Cuff is not fastened well, please re-fasten again according to the instructions. 2. Cuff broken. 3. Pump or venting valve failure, replace the device
	Artificial interference and noise	1. User moved during the measurement. 2. Incorrect measurement procedure and/or posture. 3. User is too tense and not relaxed.
	Abnormal measurement	1. If the value is less than 280 mmHg, measure again. If E2 appears again, user may have a weak or irregular heartbeat, and should contact a physician. 2. If the value is greater than 280 mmHg, please contact the manufacturer.

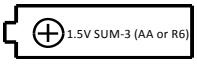
	Over safety pressure	1. Air pipe blocked. 2. Inflation controller failure. 3. Pressure sensor fault. Re-measure, contact manufacturer if the problem persists.
	Failed transmission	This can occur during normal device operation. The device will attempt to resend the reading. If the reading does not appear on the portal after some time there could be a wireless connection problem. Please reconnect to Wi-Fi network, using steps on pages 7-11.
	The measuring data failed Wi-Fi transmission	Remove and re-install the batteries. Measure again. If the problem persists, please contact the manufacturer.
	Low battery	Replace the batteries.

TROUBLESHOOTING

Fault	Remedy
Even though the batteries are installed, there is either no indication or an incorrect indication on the LCD	1. Check and correct the battery polarities. 2. Remove the batteries and wait for one minute. Then install the batteries or replace the batteries.
The cuff does not inflate or the air pressure cannot rise.	1. Check the cuff position, re-fasten the cuff correctly and measure the pressure again. 2. Check the cuff connection to the monitor.
The low battery indication is shown on the LCD.	Replace the batteries.
The unit cannot take your blood pressure, and LCD shows an error message or a wrong result.	1. Re-fasten the cuff. 2. Relax yourself and sit down. 3. Keep the cuff and heart at the same level. 4. Keep silent and still during measurement. 5. If the patient has a severe heart beat problem, then the blood pressure may not be read correctly.

Fault	Remedy
Under normal measuring circumstances a reading at home is different from one taken at a clinic or two readings at home have different values.	1. The variation is due to the different environments. 2. Your blood pressure is changing according to the physiological or psychological status of the human body. 3. Record your blood pressure each day and consult with your physician.
The BP continues to beep and the LCD does not display an error message or blood pressure reading.	1. Check arm position and cuff connection and retake reading. 2. If the problem persists, please contact support.

SYMBOLS

Symbol	Meaning
SYS mmHg	Systolic blood pressure, measured in millimeters of mercury
Pulse/min	Pulse rate per minute
	Battery installation guide: Battery 4x1.5V LR06 "AA"
	The indicator blinks when battery power is low. Replace the batteries with new ones and measure again.
	This will blink when the monitor is transmitting data.
	Type BF Applied part (cuff)
CE 0434	CE mark

DIA mmHg	Diastolic blood pressure, measured in millimeters of mercury
Serial Num:	Serial number
 2015	Manufacturer and Manufacturing year
	This indicator that appears while measurement is in progress. It blinks when your pulse is detected.
	Read this manual before use.
	WEEE label
IC	Industry Canada

SPECIFICATIONS

Model	BP-700WF Blood Pressure Monitor
Display	LCD digital display
Measuring method	Fuzzy Measuring System
Measuring range	Pressure: 40-280 mmHg
Accuracy	Pulse rate: 40-200 pulses/min
	Pressure: ± 3 mmHg for pressures of 200 mmHg or less, ± 2% of pressure above 200 mmHg
Accuracy Pressure Inflation	Pulse rate: ± 5% of reading value
	Automatic pump actuated device
Pressure release device	Automatic solenoid venting valve
Sensor	Semiconductor pressure sensor

Electric power	4 type AA 1.5 volt alkaline batteries
Memory	1000+ readings
Operating temperature / humidity	10 to 40°C (50-104°F) 15-90% R.H.
Storage temperature / humidity	-20 to 50°C (-4-122°F) 15-90% R.H.
Weight	Approx. 400 grams (net)
Arm type	Circumference 22-33 cm (9"-13") US 22-42 cm (9"-17")CE
Security	-WPA/TKIP -WPA2-AES (recommended) -WEP
Wireless transmission	802.11 b/g/n
Quality of Service	as per 802.11e Wifi Multimedia (WMM)
Dimensions	131 (L) x 128 (W) x 86 (H) mm

Appendix A: INSTALLING AND REPLACING BATTERIES

1. Press down and lift the battery cover in the direction of the arrows shown in the illustration to open the battery compartment.
2. Install or replace 4 AA 1.5 Volt batteries in the battery compartment according to the positive (+) and negative (-) terminal symbols molded inside the compartment.
3. Replace the battery cover by inserting the bottom tabs first, then push in the top clip of the battery door until it engages.