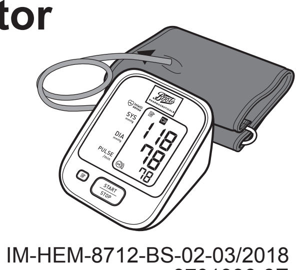
Blood Pressure Monitor Upper Arm

Instruction Manual



IM-HEM-8712-BS-02-03/2018
9701936-8E

Introduction

The Boots Pharmaceuticals Blood Pressure Monitor Upper Arm is a compact, fully automated blood pressure monitor, operating on the oscillometric principle. It measures your blood pressure and pulse rate simply and quickly and also detects irregular heartbeats during measurement. The device uses simple "intellisense" technology for comfortable and controlled inflation.

The Boots Pharmaceuticals Blood Pressure Monitor Upper Arm is intended for use by an adult population with an arm circumference within that printed on the arm cuff.

Please follow this instruction manual thoroughly for your safety and keep It for future reference. For specific information about your own blood pressure,
CONSULT YOUR HEALTHCARE PROFESSIONAL.

What is Blood Pressure?

Your heart acts like a pump to circulate blood around your body and help supply it with oxygen. Blood pressure is measured in millimetres of mercury (mmHg) and it represents the force needed for the heart to push blood through the arteries. The highest pressure in the cycle is when the heart contracts, this is called the SYSTOLIC BLOOD PRESSURE. Between contractions, the heart relaxes and blood flows into it since it is at its lowest pressure, which is called DIASTOLIC BLOOD PRESSURE.

What is Normal Blood Pressure?

Many factors such as physical actwfy, anxiety, or simply time of day, can influence your blood pressure. Some people find that when their blood pressure is measured by their doctor or nurse (also called Clinic Blood Pressure) the readings are often higher than those measured at home. This is because clinical surroundings and examination conditions can cause a degree of stress, and lead to temporary raises in blood pressure.
For a healthy adult under resting conditions the recommended clinic values should be between 90-139 mmHg for the systolic blood pressure and between 60-89 mmHg for the diastolic blood pressure.

What Is High Blood Pressure?

Everyone has a different blood pressure, but when this is consistently above the recommended levels it is considered to be high and is medically known as hypertension.
The National Institute for Health and care Excellence (NICE) defines hypertension as follows:

- **Stage 1 hypertension:** Clinic blood pressure is 140/90 mmHg or higher or home blood pressure is 135/85 mmHg or higher.
- **Stage 2 hypertension:** Clinic blood pressure is 160/100 mmHg or higher or home blood pressure is 150/95 mmHg or higher.
- **Severa hypertension:** Clinic blood pressure is 180/110 mmHg or higher.

The definitions reflect the evidence that measurements made in a clinic setting are typically slightly higher than when taken in a home setting.

Clinic Blood Pressure (mmHg)	Low	Normal	Hypertension Stage 1	Hypertension Stage 2	Hypertension Severe
Systolic (upper value)	Below 90	90-139	140-159	160-179	180 and Over
Diastolic (upper value)	Below 60	60-89	90-99	100-109	110 and Over

Home Blood Pressure (mmHg)	Low	Normal	Hypertension Stage 1	Hypertension Stage 2
Systolic (upper value)	Below 85	85-134	135-149	150 and Over
Diastolic (upper value)	Below 55	55-84	85-94	95 and Over

There is often no clear cause of high blood pressure but it can be affected by your lifestyle and important contributing factors include:

- Being overweight
- Having high cholesterol
- Drinking too much alcohol
- Eating too much salt
- Not eating enough fruit and vegetables
- Not exercising enough
- Drinking too much coffee (or other caffeine-based drinks)
- Smoking

High blood pressure has no symptoms, but if it's not treated it can damage the kidneys, heart and brain.

The Boots Pharmaceuticals Blood Pressure Monitor Upper Arm is designed to be used at home and to show on the display if your blood pressure is too high (equal or over 135/85 mmHg).
To monitor your blood pressure more accurately you should measure it twice a day, ideally once in the morning and once in the evening. Each time you should take two readings at least one minute apart and with the person seated. to monitor blood pressure, recording should continue for at least 4 days, ideally for 7 days.
If your blood pressure is too high please consult your healthcare professional.

How can you Reduce High Blood Pressure?

Depending on your blood pressure your doctor may encourage you to make some lifestyle changes or may prescribe medication for you to take.
Changes you can make to your lifestyle include:

- Lose any excess weight and try to lower your cholesterol by reducing the fat content in your diet.
- Don't add salt to food.
- Eating a healthy diet.
- Do not drink more than 14 units of alcohol per week.
- Do more exercise (please ask medical advice first).
- Don't smoke. Smoking causes your arteries to narrow and is the biggest risk factor for having a heart attack.
- Reduce the intake of caffeine.

Important Safety Information

⚠ **Warning: Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.**

General Usage

- DO NOT adjust medication based on measurement results from this blood pressure monitor. Take medication as prescribed by your healthcare professional. Only a healthcare professional is qualified to diagnose and treat High Blood Pressure.
- Consult your healthcare professorial before using the device for any of the following conditions: common arrhythmias such as atrial or ventricular premature beats or atrial fibrillation, arterial sclerosis, poor perfusion, diabetes, age, pregnancy, pre-eclampsia, renal diseases. Note that PATIENT motion, trembling, shivering may affect the measurement reading.
- Do not use the device on an injured arm or an arm under medical treatment.
- Stop using the device and consult your physician, if you experience skin irritation or other undesirable effects.
- Do not apply the arm cuff while having an intravenous drip or a blood transfusion.
- Consult your healthcare professional before using the device on an arm with an arterio-venous (A-V) shunt.
- Do not use the device simultaneously with other medical electrical (ME) equipment. This may result in incorrect operation of the device and/or cause an inaccurate reading.
- Do not use the device in areas where HF surgical equipment, MRI scanners or CT scanners are used, or in oxygen rich environments. This may result in incorrect operation of the device and/or cause an inaccurate reading.
- The air tube may cause accidental strangulation in infants.
- The device contains small parts that are a choking hazard if swallowed by infants.

⚠ **Caution: Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury to the user or patient or damage to the equipment or other property.**

General Usage

- Always consult your healthcare professional. Self-diagnosis of measurement results and self-treatment are dangerous.
- People with severe blood flow problems, or blood disorders, should consult a healthcare professional before using the device, as the arm cuff inflation can cause bruising.
- Remove the arm cuff if it does not start deflating during the measurement.
- Do not use this device on infants or persons who cannot express their intentions.
- Do not use the device for any purpose other than measuring blood pressure.
- Use only the approved arm cuff for this device. Use of other arm cuffs may result in incorrect measurement results.
- During measurement, make sure that no mobile phone or any other electrical devices that emit electromagnetic fields is within 30cm of this device. This may result in incorrect operation of the device and/or cause an inaccurate reading.
- Do not disassemble the monitor or arm cuff. This may cause an inaccurate reading.
- Do not use in a location with moisture, or a location where water may splash on the device. This may damage the device.
- Do not use the device in a moving vehicle (car, airplane).
- Do not take measurements more than necessary. It may cause bruising due to blood flow interference.
- Consult your healthcare professional before using the device if you had a mastectomy.
- If your systolic blood pressure is known to be more than 210 mmHg, read the "If your systolic pressure is more than 210 mmHg" section of this instruction manual. Inflating to a higher pressure than necessary may result in bruising where the cuff is applied.

Battery Usage

- Batteries must be inserted with the + and - signs correctly aligned.
- Use 4 "AA" alkaline or manganese batteries with this device. Do not use other types of batteries. Do not use new and used batteries together.
- Remove the batteries if the device will not be used for three months or more.
- Use the battery within recommended period mentioned to it.

General Precautions

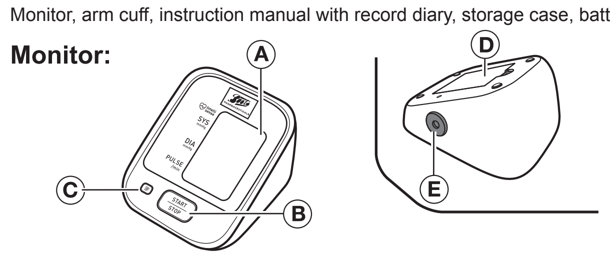
- Do not forcibly crease the arm cuff or the air tube excessively.
- To unplug the air plug, pull on the air plug at the connection with the monitor, not the tube itself.
- Do not drop the monitor or subject device to strong shocks or vibrations.
- Do not inflate the arm cuff when it is not wrapped around your arm.
- Do not use the device outside the specified environment. It may cause an inaccurate reading.
- Read and follow the "Important information regarding Electromagnetic Compatibility (EMC)" in section 7 of this instruction manual.
- Read and follow the "Correct Disposal of This Product" in section 6 of this instruction manual when disposing of the device and any of its accessories.
- Please check (for example, by observation of the limb concerned) that the device is not causing a prolonged impairment of PATIENT blood circulation.
- If the device is stored at the maximum or minimum storage and transport temperature and is moved to an environment with a temperature of 20°C, we recommend waiting for approximately 2 hours before using the device.

1. Know Your Device

Contents:

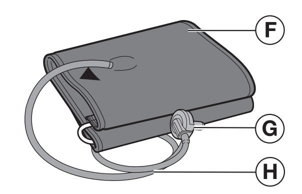
Monitor, arm cuff, instruction manual with record diary, storage case, battery set.

Monitor:



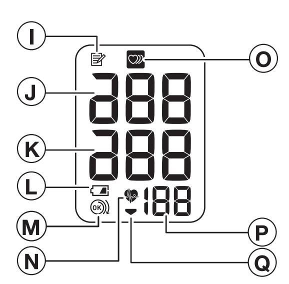
A. Display
B. START/STOP button
C. Memory button
D. Battery compartment
E. Air jack

Arm cuff:



F. Arm cuff (Arm circumference 22 - 32 cm)
G. Air plug
H. Air tube

Display:

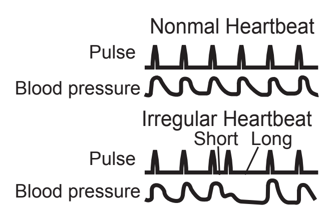


I. Memory symbol
J. Systolic blood pressure
K. Diastolic blood pressure
L. Battery symbol (Low/depleted)
M. Cuff wrap guide
N. Heartbeat symbol/ Hypertension indicator
O. Irregular heartbeat symbol
P. Pulse display/Memory number
Q. Deflation symbol

1.1 Display symbols

Irregular Heartbeat Symbol ( )

When the monitor detects an irregular rhythm two or more times during the measurement, the irregular heartbeat symbol will appear on the display with the measurement values.
An irregular heartbeat rhythm is defined as a rhythm that is 25% less or 25% more than the average rhythm detected while the monitor is measuring the systolic and diastolic blood pressure.



If the irregular heartbeat symbol displays with your measurement results, we recommend you consult your healthcare professional. Follow the directions of your healthcare professional.

Cuff Wrap Guide Symbol (/)

If the cuff is wrapped too loosely, the cuff guide symbol is displayed. Otherwise is displayed. This function is used as an aid in determining if the cuff is wrapped snugly enough. If the cuff is wrapped too loosely, it may cause unreliable results.

Heartbeat Symbol/Hypertension Indicator ( )

Taking a Measurement

The Heartbeat Symbol flashes on the display during the measurement.
The Heartbeat Symbol flashes at every heartbeat.
When the measurement is complete, the Heartbeat Symbol flashes on the display with your blood pressure and pulse rate if the reading is above 134 for the Systolic Blood Pressure value and/or above 84 for the Diastolic Blood Pressure value.

Using the Memory Function

The Heartbeat Symbol flashes when the blood pressure reading stoned in the memory is above 134 for the Systolic Blood Pressure value and/or above 84 for the Diastolic Blood Pressure value.

1.2 Before Taking a Measurement

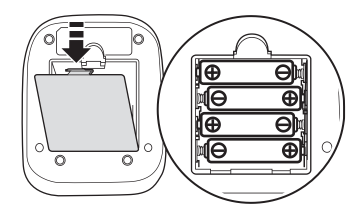
To help ensure an accurate reading, follow these directions:

1. Avoid bathing, drinking alcohol or caffeine, smoking, exercising and eating for 30 minutes before taking a measurement.
2. Rest for at least 5 minutes before taking the measurement.
3. Stress raises blood pressure. Avoid taking measurements during stressful times.
4. Measurements should be taken in a quiet place.
5. Remove tight-fitting clothing from your arm.

2. Preparation

2.1 Battery Installation

1. Remove the battery cover.
2. Insert 4 "AA" batteries as indicated in the battery compartment.



3. Replace the battery cover.

Note:
- When the depleted battery symbol ( ) appears on the display, turn the monitor off and remove all the batteries. Replace with 4 batteries at the same time. Long life alkaline batteries are recommended.
- The measurement values continue to be stored in memory even after the batteries are replaced.
- The supplied batteries may have a shorter life.

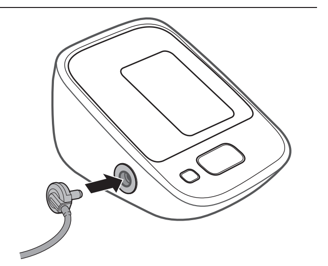
⚠ Disposal of used batteries should be carried out in accordance with national/local regulations.

3. Using the Device

3.1 Applying the Arm Cuff

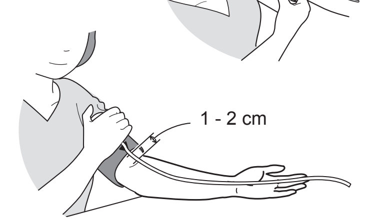
Remove tight-fitting clothing or tight rolled up sleeve from your left upper arm.
Do not place the arm cuff over thick clothes.

1. Insert the air plug into the air jack securely.



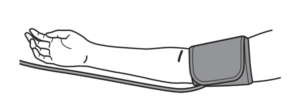
2. Wrap the arm cuff firmly in place around your left upper arm.

The bottom edge of the arm cuff should be 1 to 2 cm above the elbow. The air tube should be on the inside of your arm and aligned with your middle finger.



3. Secure closed with the fabric fastener.

Note:
- When you take a measurement on the right arm, the air tube will be at the side of your elbow. Be careful not to rest your arm on the air tube.

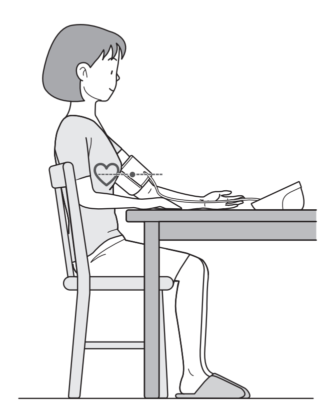


- The blood pressure can differ between the right arm and the left arm, and the measured blood pressure values can also be different. It is recommended to always use the same arm for measurement. If the values between both arms differ substantially, please check with your healthcare professional which arm to use for your measurement.

3.2 How to Sit Correctly

To take a measurement, you need to be relaxed and comfortably seated, at a comfortable temperature.

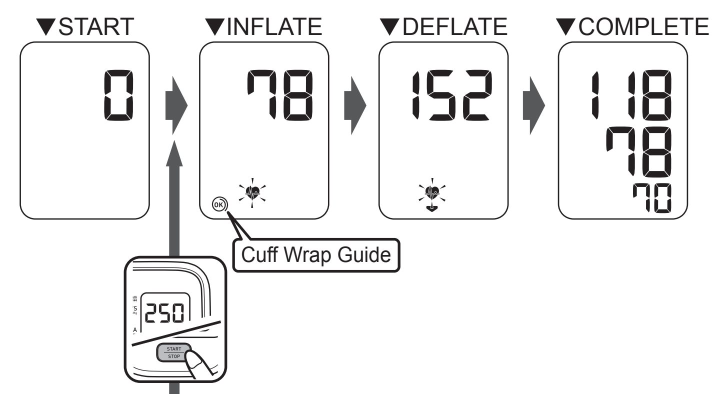
- Sit on a chair with your legs uncrossed and with your feet flat on the floor.
- Sit with your back and arms supported.
- The cuff on your arm should be at the same level as your heart.



3.3 Taking a Measurement

Note:
- Remain still and do not talk while taking a measurement.
- To stop a measurement, press the START/STOP button once to release the air in the arm cuff.

1. Press the START/STOP button.
The arm cuff will start to inflate automatically.



If your systolic pressure is more than 210 mmHg

After the arm cuff starts to inflate, press and hold the START/STOP button until the monitor inflates 30 to 40 mmHg higher than your expected systolic pressure.

Note:
- The monitor will not inflate above 299 mmHg.
- Do not apply more pressure than necessary.

2. Remove the arm cuff.
3. Press the START/STOP button to tum the monitor off.
The monitor automatically stores the measurement result in its memory.
It will automatically turn off after 2 minutes.
Note: Wait 2-3 minutes before taking another measurement. Waiting between measurements allows the arteries to return to the condition prior to taking a measurement.

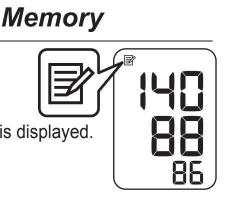
⚠ Blood pressure measurements should be interpreted by a doctor or trained healthcare professional who is familiar with your medical history. Self-diagnosis of measurement results and self-treatment is dangerous.

3.4 Using the Memory Function

The monitor automatically stores up to 60 sets of results.
Note: If the memory is full, the monitor will delete the oldest value.

To View the Measurement Values Stored in Memory

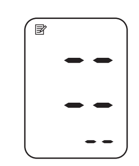
1. Press the button



The Memory number appears for a second before the pulse rate is displayed.
The newest sel is numbered "1".

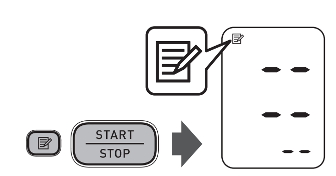
2. Press the button repeatedly to view the values stoned in the memory

Note: If there are no measurements results stored in the memory, the scrsen to the right is displayed.



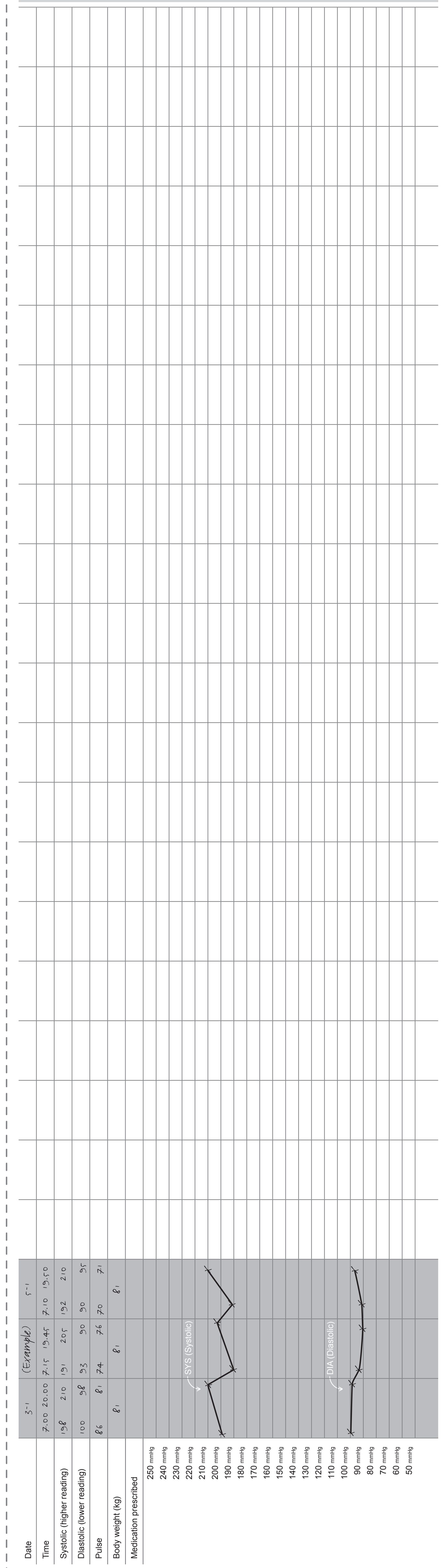
To Delete All the Values Stored in Memory

1. Press the Memory button, while the memory symbol ( ) appears.
2. While holding the button down, press the START/STOP button for more than 3 seconds.



Note: You cannot partially delele the values stored in memory. All values will be deleted.

Personal Blood Pressure Diary



4. Error Messages and Troubleshooting

4.1 Error Messages

Error Display	Cause	Solution
	Irregular heartbeats are detected.	Remove the arm cuff. Wait 2 - 3 minutes and then take another measurement. Repeat the steps in section 3.3. If this error continues to appear, contact your healthcare professional.
	Arm cuff is applied too loosely.	Apply the arm cuff tighter. Refar to section 3.1.
	The batteries are low.	It is recommended to change the batteries before they are completely depleted. Refer to section 2.1.
	The batteries are depleted.	You should replace all 4 batteries with new ones. Refer to section 2.1.
E1	Air plug disconnected.	Insert the plug securely. Refer to section 3.1.
	Arm cuff is applied too loosely.	Apply the arm cuff tighter. Refer to section 3.1.
	Air is leaking from the arm cuff.	Contact Boots Customer Services or your local Boots store.
E2	Movement during measurement and the arm cuff has not been inftated sufficiently.	Repeat measurement. Remain still and do not talk during measurement. Refer to section 3.3.
		If "E2" appears repeatedly, inflate the cuff manually until it is 30 to 40 mmHg above your previous measurement result. Refer to section 3.3.
E3	The arm cuff was inflated exceeding the maximum allowable pressure, and then deflated automatically.	Do not touch the arm cuff and/or bend the air tube while taking a measurement. Do not inflate the arm cuff more than necessary. Refer to section 3.3.
E4	Movement during measurement.	Repeat measurement. Remain still and do not talk during measurement. Refar to section 3.3.
E5	Clothing is interfering with the arm cuff.	Remove any clothing interfering with the arm cuff. Refer to section 3.1.
Er	Device error.	Contact Boots Customer Services or your local Boots store.

4.2 Troubleshooting

In case of any of the below problems occur during measurement, first check that no other electrical device is within 30cm. If the problem persists, please refer to the table below.

Problem	Cause	Solution
The measurement result is extremely high (or low).	Arm cuff is appliec too loosely.	Apply the arm cuff tighter. Refer to section 3.1.
	Movement or talking during measurement.	Remain still and do not talk during measurement. Refer to section 3.3.
	Clothing is interfering with the arm cuff.	Remove any clothing interfering with the arm cuff. Refer to section 3.1.
Arm cuff pressure does not rise.	The air connector is not securely connected into the air jack.	Make sure that the air tube is connected securely. Refer to section 3.1.
	Air is leaking from the arm cuff.	Contact Boots Customer Services or your local Boots store.
Arm cuff deflates too soon.	The arm cuff is loose.	Apply the cuff correctly so that it is firmly wrapped around the arm. Refer to section 3.1.
Cannot measure or the results are too low or too high.	The arm cuff has not been inflated sufficiently.	Inflate the cuff so that it is 30 to 40 mmHg above your previous measurement result. Refer to section 3.3.
Nothing happens when you press the buttons.	The batteries are depleted.	Replace all 4 batteries with new ones. Refer to section 2.1.
	The batteries have been inserted incorrectly.	Insert the batteries with the correct (+/-) polarity. Refer to section 2.1.
Other problems.	• Press the START/STOP button and repeat measurement. • Replace the batteries with new ones. If the problem continues, contact Boots Customer Services or your local Boots store	

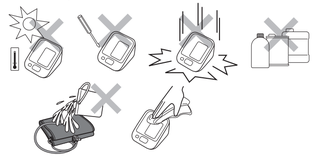
Your Blood Pressure Monitor is supplied with a cuff having a circumference of 22-32cm. Should you require a different sized cuff, contact Boots Customer Services or your local Boots store.

5. Maintenance and Storage

5.1 Maintenance

To protect your device from damage, please observe the following:

- Store the device and the components in a clean, safe location.
- Do not use any abrasive or volatile cleaners.
- Do not wash the device and any components or immerse them in water.
- Do not use petrol, thinners or similar solvents to clean the device.



- Use a soft, dry cloth or a soft, damp cloth and neutral soap to clean the monitor and arm cuff.
- Modifications not approved by the manufacturer will void the user warranty. Do not disassemble or attempt to repair the device or components. Consult Boots Customer Services or your local Boots store.

Calibration and Service

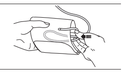
- The accuracy of this blood pressure monitor has been carefully tested and is designed for a long service life.
- It is generally recommended to have the device inspected every 2 years to ensure correct functioning and accuracy. Contact Omron Customer Care on 01908 258285.

5.2 Storage

Keep the device in its storage case when not in use.

1. Unplug the air plug from the air jack.
2. Gently fold the air tube into the arm cuff.

   Note: Do not bend or crease the air tube excessively.



3. Place the monitor and the arm cuff in the storage case.

Do not store the device in the following situations:

- If the device is wet.
- Locations exposed to extreme temperatures, humidity, direct sunlight, dust or corrosive vapours such as bleach.
- Locations where the device is exposed to vibrations, shocks or where It will be at an angle.

6. Specifications

Product category	Electronic Sphygmomanometers
Product description	Automatic Upper Arm Blood Pressure Monitor
Model	Boots Pharmaceuticals Blood Pressure Monitor Upper Arm, Item code: 66-13-918
Display	LCD Digital Display
Measurement method	Oscillometric method
Measurement range	Pressure: 0 to 299 mmHg
Blood pressure measurement range	20 to 280 mmHg
Pulse measurement range	40 to 180 beats/min.
Accuracy	Pressure: ±3 mmHg Pulse: ±5% of display reading
Inflation	Fuzzy-logic controlled by electric pump
Deflation	Automatic pressure release valve
Memory	60 measurements
Rating	DC6V 4W
Power source	4 "AA" batteries 1.SV
Battery life	Approx. 1000 measurements (using new alkaline batteries)
Applied part	Type BF (Cuff)
Protection against electric shock	Internally powered ME equipment
Operating temperature/ humidity/air pressure	+10 to +40°C / 15 to 90% RH (non-condensing) / 700 to 1060 hPa
Storage temperature/ humidity/ air pressure	-20 to +60°C / 10 to 95% RH (non-condensing) / 700 to 1060 hPa
IP classification	IP20
Weight	Monitor: Approx. 250 g without batteries Arm cuff: Approx. 130 g
Outer dimensions	Monitor: Approx. 103 (w) mm x 80 (h) mm x 129 (l) mm Arm cuff: Approx. 145 mm x 466 mm
Cuff circumference	22 to 32 cm
Cuff/ Tube material	Nylon, polyester, polyvinyl chloride
Package contents	Monitor, arm cuff, instructional manual with record diary, storage case, battery set

Note:

- These specifications are subject to change without notice.
- In the clinical validation study, the 5th phase was used on 85 subjacts for determination of diastolic blood pressure.
- This device is clinically validated according to the requirements of ISO81060-2:2013.
- This device has not been validated for use on pregnant patients.
- IP classification is degrees of protection provided by IEC 60529.
- The device is protected against solid foreign objects of 12.5 mm diameter and greater such as a finger.
- This device fulfils the provisions of EC directive 93142/EEC (Medical Device Directive).
- This blood pressure monitor is designed according to the European Standard EN1060, Non-invasive sphygmomanometers Part 1: General Requirements and Part 3: Supplementary requirements for electromechanical blood pressure measuring systems.
- This OMRON product is produced under the strict quality system of OMRON HEALTHCARE Co. Ltd, Japan. The core component for OMRON blood pressure monitors, which is the pressure sensor, is produced in Japan.
- This device can be used for continuous operation.

Symbols description	
	Applied part - Type BF Degree of protection against electric shock (leakage current)
IPXX	Ingress protection degree provided by IEC 60529
SN	Serial number
LOT	LOT number
	Temperature limitation
	Humidity limitation
	Atmospheric pressure limitation
,	Indication of connector polarity
,	Identifier of cuffs compatible for the device
	Cuff positioning indicator for the left arm
ART. ,	Marker on the cuff to be positioned above the artery
INDEX	Range pointer and brachial artery alignment position
LATEX FREE	Not made with natural rubber latex
MAX RANGE MIN, MIN RANGE MAX	Range indicator of arm circumferences to help selection of the correct cuff size.
	Need for the user to consult this instruction manual.
	Date of manufacture
	Arm circumference

Correct Dispoeel of This Product
(Waste Electrical & Electronic Equipment)

This symbol indicates that the product should not be disposed of with other household waste at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this product from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.
Household users should contact either the retailer where thay purchased this product, or their local government office, for details of where and how they can return this item for environmentally safe recycling.
Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial waste for disposal.

7. Electro Magnetic Compatibility

Important information regarding Electro Magnetic Compatibility (EMC)
HEM-8712-BS manufactured by OMRON HEALTHCARE Co., Ltd. conforms to EN60601-1-2:2015 Electro Magnetic Compatibility (EMC) standard.
Nevertheless, special precautions need to be observed:

- The use of accessories and cables other than those specified or provided by OMRON could result in increased electromagnetic emission or decreased electromagnetic immunity of the device and result in improper operation.
- During measurement, the use of the device adjacent to or stacked with other device should be avoided because it could result in improper operation. In case such use is necessary, the device and other device should be observed to verify that they are operating normally.
- During measurement, Portable RF communications device (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the device, including cables specified by OMRON. Otherwise, degradation of the performance of the device could result.
- Refer to further guidance below regarding the EMC environment in which the device should be used.

Table 1 - EMISSION Limits and Compliance

Phenomenon	EMISSION Limits	Compliance
Conducted and radiated RF EMISSIONS	CISPR 11	Group1, Class B

Table 2 - IMMUNITY TEST LEVELS

Phenomenon	Basic EMC standard	IMMUNITY TEST LEVELS
Electrostatic discharge	IEC 61000-4-2	±8 kV contact ±2 kV,±4 kV,±8 kV,±15 kV air for enclosure port
Radiated RF electromagnetic fields	IEC 61000-4-3	10 V/m 80 MHz to 2.7 GHz 80 % AM at 1 kHz for enclosure port
Proximity fields from RF wireless communications equipment	IEC 61000-4-3	See table 3
Rated power frequency magnetic fields	IEC 61000-4-8	30 A/m 50 Hz and 60Hz for enclosure port

Table 3 - Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communications device

Test frequency (MHz)	Band (MHz)	Service	Modulation	Maximum power (W)	Distance (m)	IMMUNITY TEST LEVEL (V/m)
385	380 to 390	TETRA 400	Pulse modulation 18 Hz	1.8	0.3	27
450	430 to 470	GMRS 460, FRS 460	FM ±5 kHz deviation 1 kHz sine	2	0.3	28
710	704 to 787	LTE Band 13, 17	Pulse modulation 217 Hz	0.2	0.3	9
745						
780						
810	800 to 960	GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE Band 5	Pulse modulation 18 Hz	2	0.3	28
870						
930						
1720	1700 to 1990	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; UMTS	Pulse modulation 217 Hz	2	0.3	28
1845						
1970						
2450	2400 to 2570	Bluetooth, WLAN 802.11 b/g/n, RFID 2450, LTE Band 7	Pulse modulation 217 Hz	2	0.3	28
5240	5100 to 5800	WLAN 802.11 a/n	Pulse modulation 217 Hz	0.2	0.3	9
5500						
5785						

8. Warranty

Thank you for buying a Boots Pharmaceuticals product. This product is constructed of high quality materials and great care has been taken in its manufacturing. It is designed to give you every satisfaction, provided that it is property operated and maintained as described in the instruction manual.
This product is guaranteed by Boots the Chemists Ltd for a period of 2 years after the date of purchase. The proper construction, workmanship and materials of this product is guaranteed by Boots the Chemists Ltd. During this penod of guarantee Boots the Chemists Ltd will, without charge for labour or parts, repair or replace the defect product or any defective parts.

The guarantee does not cover any of the following:

a. Transport costs and risks of transport.
b. Costs for repairs and / or defects resulting from repairs done by unauthorised persons.
c. Periodic check-ups and maintenance.
d. Failure or wear of optional parts or other attachments other than the main device itself, unless explicitly guaranteed above.
e. Costs arising due to non-acceptance of a claim (those will be charged for).
f. Damages of any kind including personal caused accidentally or from misuse.
g. Calibration service is not included within the guarantee.

Repair or replacement under the guarantee does not give rise to any extension or renewal of the guarantee period.
The guarantee will be granted only if the complete product is returned together with the receipt or other proof of purchase.
Text Revised 04/18
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CE 0197