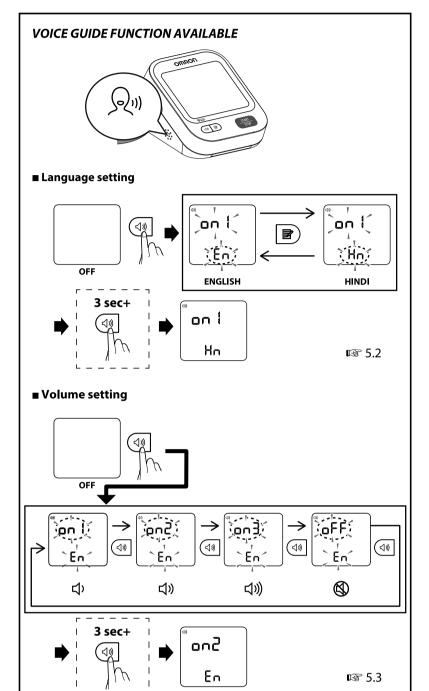
## **Model HEM-716A Instruction Manual**

**Automatic Blood Pressure** 

Monitor



3298839-8D Issue Date: 2024-07-12



### **Table of Contents**

### Introduction

Important Safety Information Know Your Monitor

- Preparation
- 3. Using Your Monitor
- 4 Using Memory Function 5. Other Settings
- 6. Error Messages and Troubleshooting
- Maintenance
- 8. Optional Medical Accessories
- 9. Other Optional Part 10. Specifications
- 11. Guidance and Manufacturer's Declaration

Thank you for purchasing the OMRON Automatic Blood Pressure Monitor. This monitor can be used by multiple users. This blood pressure monitor uses the oscillometric method of blood pressure measurement. This means this monitor detects your blood movement through your brachial artery and converts the movements into a digital reading.

## Safety Instructions

This instruction manual provides you with important information about the OMRON Automatic Blood Pressure Monitor. To ensure the safe and proper use of this monitor, READ and UNDERSTAND all of these instructions. If you do not understand these instructions or have any questions, contact your local OMRON representative before attempting to use this monitor. For specific information about your own blood pressure, consult with your physician.

### Intended Use Intended Purpose

This device is a digital monitor intended for use in measuring blood pressure and pulse rate in the adult patient population.

### **Intended Patients**

Adult patient population

# **Intended Users**

Adult population who can understand this instruction manual.

### **Clinical Benefit**

Patient's blood pressure can be measured non-invasively and simply in the home environment.

### Type of Use/Reuse

Patient's arm circumference must be 17 - 42 cm.

This device is used by healthy individuals, patients with hypertension, patients with health-conscious individuals, in a general household situation for measuring blood pressure and pulse rate.

### Receiving and Inspection

Remove this monitor and other components from the packaging and inspect for damage. If this monitor or any other components is damaged, DO NOT USE and consult with your local OMRON representative.

### **Important Safety Information**

### Read the Important Safety Information in this instruction manual before using this monitor.

Follow this instruction manual thoroughly for your safety. Keep for future reference. For specific information about your own blood pressure, CONSULT WITH YOUR PHYSICIAN.

### Contraindications

- DO NOT use this monitor on an injured arm or an arm under medical
- DO NOT apply the arm cuff on your arm while on an intravenous drip or blood
- transfusion. • DO NOT use this monitor on infants, toddlers, children or persons who cannot express themselves.
- Side Effects • Taking measurements more often than necessary may cause bruising due to
- blood flow interference. • Inflating to a higher pressure than necessary may result in bruising of the arm

where the cuff is applied. NOTE: refer to "If your systolic pressure is more than

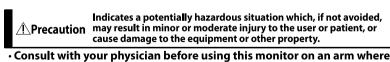
210 mmHg" in section 3 for additional information • Stop using this monitor and consult with your physician if you experience

# Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

- DO NOT adjust medication (including altering your use of any drug or treatment) based on readings from this blood pressure monitor. Take medication as prescribed by your physician. ONLY a physician is qualified to diagnose and treat high blood pressure and heart related
- NEVER diagnose or treat yourself based on your readings. ALWAYS consult with your physician.
- · If you are experiencing any symptoms or concerns, consult with your
- · DO NOT postpone/stop regular checkups or physician visits based on the results that you are getting from this monitor DO NOT use this monitor in areas containing high frequency (HF)
- surgical equipment, magnetic resonance imaging (MRI) equipment, computerized tomography (CT) scanners. This may result in incorrect operation of the monitor and/or cause an inaccurate reading.
- · DO NOT use this monitor in oxygen rich environments or near flammable Consult with your physician before using this monitor if you have common arrhythmias such as atrial or ventricular premature beats or atrial fibrillation; arterial sclerosis; poor perfusion; diabetes; pregnancy; pre-eclampsia or renal disease. NOTE that any of these conditions in
- addition to patient motion, trembling, or shivering may affect the measurement reading. To help avoid strangulation, keep the air tube and AC adapter cable
- away from infants, toddlers and children.
- This product contains small parts that may cause a choking hazard if swallowed by infants, toddlers and childre
- AC Adapter (optional accessory) Handling and Usage
- DO NOT use the AC adapter if this monitor or the AC adapter cable is damaged. If this monitor or the cable is damaged, turn off the power and unplug the AC adapter immediately.
- · Plug the AC adapter into the appropriate voltage outlet. DO NOT use in a multi-outlet plug.
- NEVER plug in or unplug the AC adapter from the electric outlet with wet
- · DO NOT disassemble or attempt to repair the AC adapter.

# **Battery Handling and Usage**

• Keep the batteries out of the reach of infants, toddlers and children.



- intravascular access or therapy, or an arteriovenous (A-V) shunt, is present because of temporary interference to blood flow and could result in injury. · Consult with your physician before using this monitor if you have had a
- mastectomy or lymph node clearance. · Consult with your physician before using this monitor if you have severe
- blood flow problems or blood disorders as cuff inflation can cause
- · ONLY inflate the arm cuff when it is applied on your upper arm. Remove the arm cuff if it does not start deflating during a measurement.
- DO NOT use this monitor for any purpose other than measuring blood
- During measurement, make sure that no mobile device or any other electrical device that emits electromagnetic fields is within 30 cm of this monitor. This may result in incorrect operation of the monitor and/or cause an inaccurate reading.
- DO NOT disassemble or attempt to repair this monitor or other
- omponents. This may cause an inaccurate reading. DO NOT use in a location where there is moisture or a risk of water
- splashing this monitor. This may damage this monitor. DO NOT use this monitor in a moving vehicle such as in a car or on an aircraft.
- DO NOT drop or subject this monitor to strong shocks or vibrations. · DO NOT use this monitor in places with high or low humidity or high or
- low temperatures. Refer to section 10.
- During measurement, observe the arm to ensure that the monitor is not causing prolonged impairment to blood circulation.
- · DO NOT use this monitor in high-use environments such as medical clinics or physician offices.

- DO NOT use this monitor with other medical electrical (ME) equipment This monitor is intended to be multiple patient multiple use. simultaneously. This may result in incorrect operation of the devices
  - and/or cause an inaccurate reading. · Avoid bathing, drinking alcohol or caffeine, smoking, exercising and
  - eating for at least 30 minutes before taking a measurement.
  - Rest for at least 5 minutes before taking a measurement. · Remove tight-fitting or thick clothing from your arm while taking a
  - · Remain still and DO NOT talk while taking a measurement.
  - · ONLY use the arm cuff on persons whose arm circumference is within the specified range of the cuff.
  - Ensure that this monitor has acclimated to room temperature before taking a measurement. Taking a measurement after an extreme
  - temperature change could lead to an inaccurate reading. It is recommended that you wait for approximately 2 hours for the monitor to warm up or cool down when the monitor is used in an environment
  - within the temperature specified as operating conditions after it is stored either at the maximum or at the minimum storage temperature. For additional information on operating and storage/transport
  - temperature, refer to section 10. • DO NOT use this monitor after the durable period has ended. Refer to
  - DO NOT crease the arm cuff or the air tube excessively.
  - cause an injury by interrupting blood flow • To unplug the air plug, pull on the plastic air plug at the base of the tube,
  - not the tube itself. · ONLY use the AC adapter, arm cuff, batteries and accessories specified

DO NOT fold or kink the air tube while taking a measurement. This may

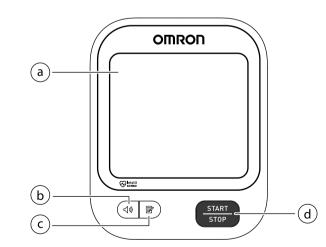
- for this monitor. Use of unsupported AC adapters, arm cuffs and batteries may damage and/or may be hazardous to this monitor. ONLY use the approved arm cuff for this monitor. Use of other arm cuffs may result in incorrect readings.
- AC Adapter (optional accessory) Handling and Usage
- Fully insert the AC adapter into the outlet.
- · When unplugging the AC adapter from the outlet, be sure to safely pull from the AC adapter. DO NOT pull from the AC adapter cable. When handling the AC adapter cable:
- DO NOT damage it.
- DO NOT break it.
- DO NOT tamper with it. DO NOT forcibly bend or pull it.
- DO NOT twist it.
- DO NOT use it if it is gathered in a bundle. DO NOT pinch it.
- DO NOT place it under heavy objects.
- Wipe any dust off of the AC adapter.
- · Unplug the AC adapter when not in use.
- Unplug the AC adapter before wiping this monitor. **Battery Handling and Usage**
- DO NOT insert batteries with their polarities incorrectly aligned. · ONLY use 4 "AA" alkaline or manganese batteries with this monitor. DO NOT use other types of batteries. DO NOT use new and used batteries
- together. DO NOT use different brands of batteries together. · Remove the batteries if this monitor will not be used for a long period of
- · If battery fluid should get in your eyes, immediately rinse with plenty of clean water. Consult with your physician immediately. · If battery fluid should get on your skin, wash your skin immediately with
- plenty of clean, lukewarm water. If irritation, injury or pain persists, consult with your physician. • DO NOT use batteries after their expiration date. · Periodically check the batteries to ensure they are in good working

# 1.1 Contents/Product Includes

Monitor, arm cuff (HEM-RML31 Type B), 4 "AA" batteries, storage case, instruction manual, warranty card

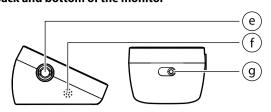
### 1.2 Monitor and Arm Cuff

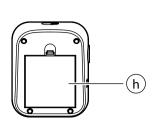
1. Know Your Monitor



- (a) Display
- (b) [Voice Guide] button
- (c) [Memory] button
- (d) [START/STOP] button

## Left side, back and bottom of the monitor



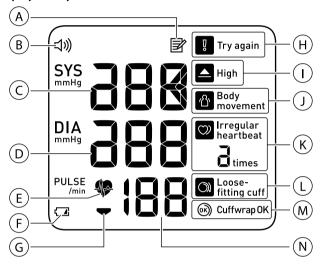


- e Air jack
- (f) Speaker holes
- (g) AC adapter jack
- (for optional AC adapter) (h) Battery compartment

(Upper arm circumference: 22 - 42 cm)







A	<b></b>	Memory symbol Appears when viewing readings stored in the memory.	
B	d»)	Voice symbol Appears when the voice guide function is enabled.	
(C)	Systolic blood pressure reading		
(D)	Diastolic blood pressure reading		
E	Heartbeat symbol Flashes while taking a measurement.		
F	<b>-</b>	Low battery symbol Flashes when batteries are low. The voice notifies it simultaneously.	
	a	<b>Depleted battery symbol</b> Appears when batteries are depleted. The voice notifies it simultaneously.	
G	-	<b>Deflation symbol</b> Appears during cuff deflation.	
(H)	पु Try again	Try again symbol Appears when "Body movement" and/or "Loose-fitting cuff" appears after a measurement, to recommend you take a measurement again. The voice notifies it simultaneously. See ① "Body movement" and/or ① "Loose-fitting cuff" for more information regarding each detection.	
1	High	Hypertension symbol Appears if your systolic blood pressure is 135 mmHg or above and/or the diastolic blood pressure is 85 mmHg or above. The voice notifies it simultaneously.	
(J)	A Body movement	Movement error symbol Appears with your reading when your body is moving during a measurement. The voice notifies it simultaneously. If it appears, remove the arm cuff and wait for 2 to 3 minutes. Then, reapply the cuff, remain still and take another measurement.	

- Irregular heartbeat symbol · Appears when irregular rhythm is detected 2 or more times during a measurement. The symbol with the
- number appears as below:
- Irregular heartbeat is detected 3 or more times:
- The voice notifies it simultaneously This symbol may be displayed when the monitor
- detects arm movements while taking a measurement. Refer to section 6 for more information.

## An irregular heartbeat rhythm is defined as a rhythm that is 25 % less or 25 % more than the average rhythm detected while your monitor is measuring blood

- Normal Heartbeat \_\_\_\_\_\_\_\_
- If it continues to appear, it is recommended that you consult with, and follow the directions of your physician. **Cuff wrap guide symbol (loose)**
- Appears if the arm cuff is wrapped around the arm too loosely while taking a measurement. The voice notifies it simultaneously. It also appears when viewing past
- Cuff wrap guide symbol (OK) Appears if the arm cuff is wrapped around the arm (M) | (B) Cuffwrap OK | correctly while taking a measurement. It also appears when viewing past readings.
- Pulse display / Memory number Pulse rate appears after the measurement. N • When pressing the ) button, the memory number appears for

# approximately 2 seconds before the pulse rate shows again on the

Definitions of hypertension by office and home blood pressure levels

2018 ESH/ESC\* Guidelines for the management of arterial hypertension

	Office	Home
Systolic Blood Pressure	≥ 140 mmHg	≥ 135 mmHg
Diastolic Blood Pressure	≥ 90 mmHg	≥ 85 mmHg

These ranges are from statistical values for blood pressure.

**A** Warning

• NEVER diagnose or treat yourself based on your readings. ALWAYS consult

\* European Society of Hypertension (ESH) and European Society of Cardiology

with your physician.

# 2. Preparation

- 2.1 Installing Batteries 1. Remove the battery cover.
- 2. Insert 4"AA" batteries as indicated in the battery

compartment.



**3.** Close the battery cover.

- When the " z symbol flashes on the display, it is recommended that you
- replace the batteries. The voice notifies it simultaneously. • To replace the batteries, turn your monitor off and remove all batteries. Then
- replace with 4 new batteries at the same time.
- Replacing the batteries will not delete previous readings. • The supplied batteries may have a shorter life span than new batteries. • Disposal of used batteries should be carried out in accordance with local

## 2.2 Blood Pressure Measurement Tips

- To help ensure an accurate reading, follow these directions:
- Stress raises blood pressure. Avoid taking measurements during stressful • Measurements should be taken in a quiet place.
- measurements in the morning and in the evening is recommended. Remember to have a record of your blood pressure and pulse readings for your physician. A single measurement does not provide an accurate

• It is important to take measurements at the same times each day. Taking

# readings over a period of time.

 $\triangle$  Precaution • Avoid bathing, drinking alcohol or caffeine, smoking, exercising and eating for at least 30 minutes before taking a measurement.

indication of your true blood pressure. You need to take and record several

• Rest for at least 5 minutes before taking a measurement.

### 2.3 Applying the Arm Cuff

• The following steps are for applying the arm cuff to your left arm. When you take a measurement on use on your right arm, follow the cuff wrap instructions for use on your right arm mentioned under "To take a measurement on your right arm" located at the end of this sub-section. • Blood pressure can differ between the right arm and the left arm, and the

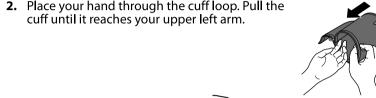
measured blood pressure readings can be different. It is recommended that

you always use the same arm for measurement. If the readings between both arms differ substantially, check with your physician to determine as to which arm to use for your measurements.

# **⚠** Precaution

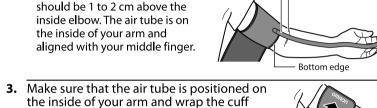
- Remove tight-fitting or thick clothing from your arm while taking a
- 1. Plug the arm cuff into your monitor by inserting the air plug into the air jack securely until it clicks.





# • The bottom edge of the arm cuff

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



### To take a measurement on your right arm

securely, so it cannot move around your arm.

When you take a measurement on your right arm, the air tube should run along the side of your elbow, along the bottom of your arm. Be careful not to rest your arm on the air tube.



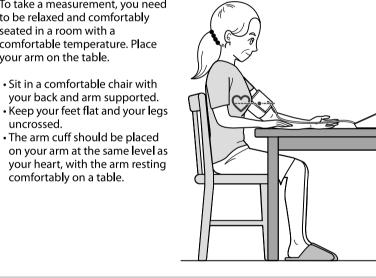
### To take a measurement, you need to be relaxed and comfortably seated in a room with a comfortable temperature. Place

2.4 Sitting Correctly

your arm on the table.

your back and arm supported. Keep your feet flat and your legs uncrossed. • The arm cuff should be placed

comfortably on a table.



# 3. Using Your Monitor

3.1 Taking a Measurement

cause an inaccurate reading.

This monitor tracks readings for 1 user. If you are sharing with another, manually track your readings separately.

### • To stop the measurement, press the [START/STOP] button once to deflate the

**⚠** Precaution • DO NOT use this monitor with other medical electrical (ME) equipment simultaneously. This may result in incorrect operation of the devices and/or

### 1. Press the [START/STOP] button. All symbols except the battery symbol appear on the display before

starting the measurement. The voice notifies the measurement starts.

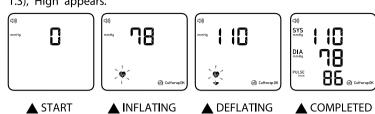
• Remain still and DO NOT talk while taking a measurement.

The " 🗫 " symbol flashes at every heartbeat.

- "Cuffwrap OK" appears if the arm cuff is wrapped around the arm
- When "Loose-fitting cuff" is displayed, the arm cuff is not applied correctly. Press the [START/STOP] button to turn your monitor off, then apply the cuff correctly.

Your blood pressure and pulse rate are displayed. The voice reads out the rates simultaneously

If either the systolic or the diastolic reading is high (refer to sub-section 1.3), "High" appears.



**3.** Press the [START/STOP] button to turn your monitor off.

• Your monitor automatically turns off after 2 minutes. • Wait 2 - 3 minutes between measurements. The wait time allows the arteries to return to their pre-measurement state. You may need to increase the wait time depending on your individual physiological characteristics.

### ■ If your systolic pressure is more than 210 mmHg

If your systolic pressure is more than 210 mmHg, take a measurement manually. 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

Do not inflate above 299 mmHg.

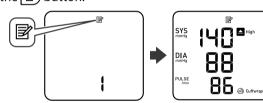
• Inflating to a higher pressure than necessary may result in bruising of the arm where the cuff is applied.

### 4. Using Memory Function

Your monitor automatically stores up to 30 readings. This monitor tracks readings for 1 user. If you are sharing with another, manually track your readings separately

### 4.1 Viewing the Readings Stored in Memory

1. Press the 🕝 button.



The Memory number appears for 2 seconds before the pulse rate is displayed. The most recent reading stored in the memory will be numbered as "1".

- If the reading was high (refer to sub-section 1.3), "High" appears.
- If there are no readings stored in the memory, the screen to the right is displayed.
- If the memory is full, new readings will replace the
- old readings, starting with the oldest reading.
- 2. Press the ) button repeatedly to scroll through the previous readings stored in the memory.

### **To Manage Your Readings on Your Smartphone** To manage your readings on your smartphone, use "OMRON connect" app. Follow the steps below and keep records of several readings over a certain period of

Download and install the free "OMRON connect" app onto your





Open the app on your smartphone and follow the instructions.

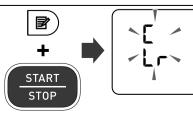
Enter your readings to the app.

### 5. Other Settings

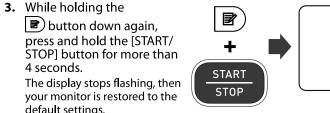
### 5.1 Restoring Your Monitor to the Default Settings To delete all the information stored in your monitor, follow the instructions below. Make sure that your monitor is turned off.

**1.** Press the **▶** button. After a memory number appears, the latest reading will appear.

**2.** While holding the button down, press and hold the [START/STOP] button for more than 4 seconds. The display to the right flashes.



button down again, press and hold the [START/ STOP] button for more than 4 seconds. The display stops flashing, then your monitor is restored to the default settings.



**4.** Press the [START/STOP] button to turn your monitor off.

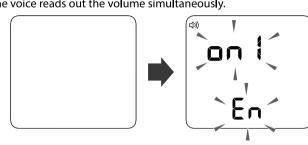
## • Your monitor automatically turns off after 10 seconds.

5.2 Setting the Voice Language You can choose English or Hindi for the voice guide function. English is set by To change the language, follow the instructions below. Make sure that your

## 1. Press the (4) button.

monitor is turned off.

The language ("En" or "Hn") and volume level you set last time flash. The voice reads out the volume simultaneously.



• "En" stands for "English", "Hn" stands for "Hindi".

2. Press the button to switch the language.

# The voice reads out the volume level in the language you set.

• To cancel the setting, press the [START/STOP] button before confirming

	the setting in step 3.	
3.	Press and hold the 🕬 button for more	(d)))
	than 3 seconds.	1
	The display stops flashing and the setting is confirmed.	
	The voice notifies it simultaneously.	
		Hn

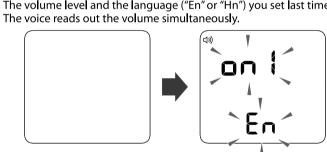
4. Press the [START/STOP] button to turn your monitor off.

# • Your monitor automatically turns off after 10 seconds.

5.3 Setting the Volume You can choose the volume level for the voice guide function. "1" is set as the volume level by default. To adjust the volume, follow the instructions below. Make sure that your monitor is turned off.

### 

The volume level and the language ("En" or "Hn") you set last time flash.



**2.** Press the 🕼 button repeatedly to set the volume level. The volume level can set between 1 to 3. If "oFF" is selected, the voice guide function will be disabled. The voice reads out the volume level in the language you set.

• To cancel the setting, press the [START/STOP] button before confirming the setting in step 3.

**3.** Press and hold the 🗇 button for more than 3 seconds. The display stops flashing and the setting is confirmed. The voice notifies it simultaneously.



**4.** Press the [START/STOP] button to turn your monitor off.

• Your monitor automatically turns off after 10 seconds.

### 6. Error Messages and Troubleshooting

Display/Problem

If any of the below problems occur during measurement, check to make sure that no other electrical device is within 30 cm of the monitor. If the problem persists, refer to the table below.

Possible Cause

plugged into the monitor.

cuff is not applied.

The [START/STOP] button | Press the [START/STOP]

was pressed while the arm | button again to turn the

Air plug is not completely Insert the air plug securely

monitor off

	plugged into the monitor.	. 5	
appears or the arm cuff does not inflate.	The arm cuff is not applied correctly.	Apply the arm cuff correctly, then take another measurement. Refer to sub-section 2.3.	
	Air is leaking from the arm cuff.	Replace the arm cuff to the new one. Refer to section 8.	
<b>E 2</b> appears or a	Moving or talking during a measurement causes the arm cuff to not inflate sufficiently.	Remain still and do not talk during a measurement. If "E2" appears repeatedly, inflate the arm cuff manually	
measurement cannot be completed after the arm cuff inflates.	The systolic pressure is above 210 mmHg and a measurement cannot be taken.	until the systolic pressure is 30 to 40 mmHg above your previous readings. Refer to sub-section 3.1.	
<b>E 3</b> appears	The arm cuff is inflated exceeding the maximum allowable pressure.	Do not touch the arm cuff and/or bend the air tube while taking a measurement. If inflating the arm cuff manually, refer to sub-section 3.1.	
<b>E 4</b> appears	Moving or talking during a measurement results in vibrations that disrupt the measurement.	Remain still and do not talk during a measurement.	
<b>E 5</b> appears			
Irregular heartbeat  times / Irregular heartbeat  times / Irry again and Body movement / I Try again and Loose-fitting cuff appears	The pulse rate is not detected correctly.	Apply the arm cuff correctly, then take another measurement. Refer to sub-section 2.3. Remain still and sit correctly during a measurement. If "Irregular heartbeat" continues to appear, it is recommended that you consult with your physician.	
does not flash during a measurement		Press the [START/STOP]	
appears	The monitor has malfunctioned.	button again. If "Er" still appears, contact your local OMRON representative.	
flashes	Batteries are low.	Replacing all 4 batteries with new ones is recommended. Refer to sub-section 2.1.	
appears or the monitor is turned off unexpectedly during a measurement.	Batteries are depleted.	Immediately replace all 4 batteries with new ones. Refer to sub-section 2.1.	
	Batteries are depleted.		
Nothing appears on the display of the monitor.	Battery polarities are not properly aligned.	Check the battery installation for proper placement. Refer to subsection 2.1.	
No voice is heard.	The volume is set on "oFF".	Set the volume level between 1 to 3. Refer to sub-section 5.3.	
You want to hear the voice in Hindi.	English is set by default. To change the voice language, refer to sub-section 5.2.		
The volume is too laud or quiet.	To change the volume, refer to sub-section 5.3.		
Readings appear too high or too low.	Blood pressure varies constantly. Many factors including stress, time of day, and/or how you apply the arm cuff, may affect your blood pressure. Review subsections 2.2 - 2.4 and section 3.		
Any other problems occur.	then press it again to take a problem continues, remove 30 seconds. Then re-install	e all batteries and wait for	

This may cause an inaccurate reading.

To protect your monitor from damage, follow the directions below: • Changes or modifications not approved by the manufacturer will void the

# **⚠** Precaution

• DO NOT disassemble or attempt to repair this monitor or other components.

7.2 Storage

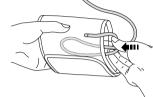
Keep your monitor and other components in the storage case when not in use. Store your monitor and other components in a clean, safe location.

1. Remove the arm cuff from the monitor. The air plug is designed to fit securely into the monitor so it does not accidentally unplug from the monitor when in use. When removing the arm cuff from the monitor, pull the air plug out from the monitor in a straight motion, holding the plug and not using the tube. You will hear a "click" sound as the cuff plug is removed from the monitor.

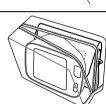
• To unplug the air plug, pull on the plastic air plug at the base of the tube, not the tube itself.

2. Gently fold the air tube into the arm

• Do not bend or crease the air tube excessively



**3.** Place your monitor and other components in the storage case.



### Do not store your monitor and other components:

• If your monitor and other components are wet.

• In locations exposed to extreme temperatures, humidity, direct sunlight, dust or corrosive vapors such as bleach. • In locations exposed to vibrations or shocks.

### 7.3 Wiping the Monitor

• Do not use any abrasive or volatile cleaners.

• Use a soft dry cloth or a soft cloth moistened with mild (neutral) detergent to wipe your monitor and arm cuff and then wipe them with a dry cloth. • Do not wash or immerse your monitor and arm cuff or other components in

• Do not use gasoline, thinners or similar solvents to wipe your monitor and arm cuff or other components.

## 7.4 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 unit inspected every two years to ensure correct functioning and accuracy. Please consult your authorised OMRON dealer or the OMRON Customer Service at the address given on the packaging or attached literature.

### 8. Optional Medical Accessories



Type B

22 - 42 cm



Type B

17 - 22 cm

• Do not throw the air plug away. The air plug can be applicable to the optional

### 9. Other Optional Part



### **Using the AC Adapter (optional accessory)**

• Make sure not to place your monitor in a location where it is difficult to plug and unplug the AC adapter.

1. Insert the AC adapter plug into the AC adapter jack on the back side of your monitor.

**2.** Plug the AC adapter into an electrical outlet. To unplug the AC adapter, unplug

the AC adapter from the electrical outlet and then remove the AC adapter plug from the monitor.



• ONLY use the AC adapter, arm cuff, batteries and accessories specified for this monitor. Use of unsupported AC adapters, arm cuffs and batteries may damage and/or may be hazardous to this monitor.

Product description	Automatic Blood Pressure Monitor
Model	HEM-716A
Disp <b>l</b> ay	LCD digital display
Cuff pressure range	0 to 299 mmHg
Blood pressure measurement range	SYS: 60 to 260 mmHg DIA: 40 to 215 mmHg
Pulse measurement range	40 to 180 beats / min.
Accuracy	Pressure: ±3 mmHg Pulse: ±5 % of display reading
Inflation	Automatic by electric pump
Deflation	Automatic pressure release valve
Measurement method	Osci <b>ll</b> ometric method
Operating mode	Continuous operation
IP classification	Monitor: IP20 Optional AC adapter: IP22
Rating	DC6 V 4 W
Power source	4 "AA" batteries 1.5 V or optional AC adapter (IN AC 100 - 240 V 50 - 60 Hz 0.12 - 0.065 A)
Battery life	Approximately 500 measurements (using new alkaline batteries and included arm cuff. Depending on the type of battery and arm cuff size.)
Durable period (Service life)	Monitor: 5 years or the time when reaching 10,000 times of use. Arm cuff: 5 years or the time when reaching 10,000 times of use. Optional AC adapter: 5 years
Operating conditions	+10 to $+40$ °C / 15 to 90 % RH (non-condensing 800 to 1060 hPa
Storage / Transport conditions	-20 to +60 °C / 10 to 90 % RH (non-condensing)
Weight	Monitor: approximately 340 g (not including batteries) Arm cuff: approximately 170 g
Dimensions	Monitor: Approximately 109 mm (w) $\times$ 83 mm (134 mm (l) Arm cuff: Approximately 145 mm $\times$ 594 mm (ai tube: 750 mm)
Cuff circumference applicable to the monitor	Total arm circumference range: 17 to 42 cm Included arm cuff: 22 to 42 cm Optional arm cuff: 17 to 22 cm
Memory	Stores up to 30 readings
Contents	Monitor, arm cuff (HEM-RML31 Type B), 4 "AA" batteries, storage case, instruction manual, warranty card
Protection against electric shock	Internally powered ME equipment (When using only batteries) Class II ME equipment (Optional AC adapter)
Applied part	Type BF (arm cuff)

• These specifications are subject to change without notice.

• This monitor has not been validated for use on pregnant patients. • IP classification is degrees of protection provided by enclosures in accordance with IEC 60529. This monitor and optional AC adapter are protected against solid foreign objects of 12.5 mm diameter and greater such as a finger. The optional AC adapter is protected against oblique falling water drops which

may cause issues during a normal operation. • Operation mode classification complies with IEC 60601-1.

### 11. Guidance and Manufacturer's Declaration

• 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.

• Please report to the manufacturer and the regulatory authority in which you are established about any serious incident that has occurred in relation to this device.

Symbols description		
<b>*</b>	Applied part - Type BF Degree of protection against electric shock (leakage current)	
C€	CE Marking	
	Class II equipment. Protection against electric shock	
IP XX	Ingress protection degree provided by IEC 60529	
SN	Serial number	
LOT	LOT number	
MD	Medical Device	
	Temperature limitation	

Symbols description			
<u></u>	Humidity limitation		
( <del>-</del>	Atmospheric pressure limitation		
<b>♦-©-♦</b>	Indication of connector polarity		
	Identifier of cuffs compatible for the device		
<b>₩</b> Intelli sense	OMRON's trademarked technology for blood pressure measurement		
2/3	Arm circumference		
<b>A</b>	Cuff positioning indicator for the left arm		
ART. O	Artery Mark		
INDEX	Range pointer and brachial artery alignment position		
MAX RANGE MIN RANGE	Range indicator of arm circumferences to help selection of the correct cuff size		
Ţi	Need for the user to consult this instruction manual.		
<b>③</b>	Need for the user to follow this instruction manuthoroughly for your safety. (Background: blue)		
===	Direct current		
$\sim$	Alternating current		
	Date of manufacture		
8	BIS mark		
(V)	Efficiency level of power supply		
Cuff is not made with Natural Rubber Latex	Not made with natural rubber latex		
4	Recycling mark		
REF	Catalogue number		
Important information regarding Electromagnetic Compatibility (EMC			

Symbols description

This device conforms to the EN 60601-1-2:2015+A1:2021 Electromagnetic Compatibility (EMC) standard. Further documentation in accordance with this EMC standard is available at

### Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

This marking shown on the product or its literature, indicates that it should not be disposed of, with other household wastes at the end of its working life.

https://healthcare.omron.com/electro-magnetic-compatibility

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 they 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.

Apple and the Apple logo are trademarks of Apple Inc., registered in the U.S. and other countries and regions. App Store is a service mark of Apple Inc. Google Play and the Google Play logo are trademarks of Google LLC.

Other trademarks and trade names are those of their respective owners.

### https://www.omronhealthcare-ap.com/

53. Kunotsubo, Terado-cho, Muko, KYOTO, 617-0002 JAPAN EU-representative OMRON HEALTHCARE EUROPE B.V. Wegalaan 73, 2132 JD Hoofddorp, THE NETHERLANDS EC REP www.omron-healthcare.com mporter in EU **Marketed and OMRON HEALTHCARE INDIA Pvt. Ltd.** 6th Floor, B-Block, Sewa Tower, Plot No-19, Sector-18, Udyog Vihar, Maruti Industrial Complex, Gurugram, Haryana (India) – www.omronhealthcare-ap.com/in

OMRON HEALTHCARE Co., Ltd.

Production Facility OMRON HEALTHCARE MANUFACTURING VIETNAM CO., No.28 VSIP II, Street 2, Vietnam-Singapore Industrial Park II, Binh Duong Industry-Service-Urban Complex, Hoa Phu Ward, Thu Dau Mot City,

REF HEM-716A-IN

Manufacturer

Made in Vietnam

Binh Duong Province, Vietnam



