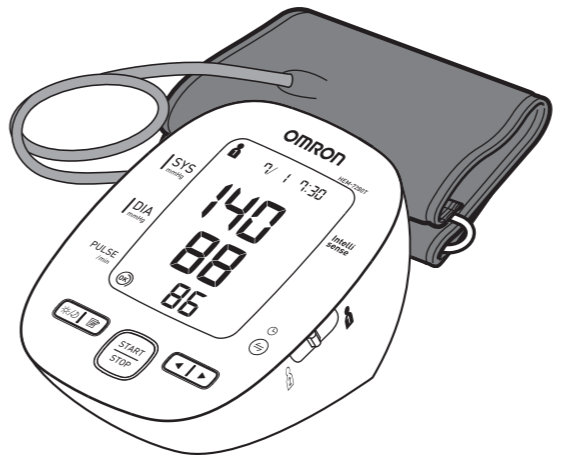


Manufacturer 	OMRON HEALTHCARE Co., Ltd. 53, Kunotsubo, Terado-cho, Muko, KYOTO, 617-0002 JAPAN
EU-representative <div style="border: 1px solid black; padding: 2px; display: inline-block;"> EC REP </div>	OMRON HEALTHCARE EUROPE B.V. Scorpius 33, 2132 LR Hoofddorp, THE NETHERLANDS
Asia Pacific HQ	OMRON HEALTHCARE SINGAPORE PTE LTD. 438A Alexandra Road, #05-05/08 Alexandra Technopark, Singapore 119967 www.omronhealthcare-ap.com
Production facility	OMRON HEALTHCARE MANUFACTURING VIETNAM CO., LTD. Binh Duong Province, VIETNAM

Made in Vietnam

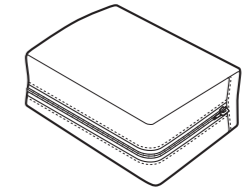
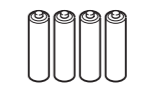
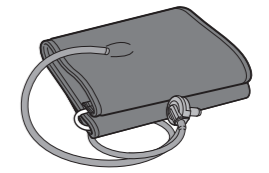


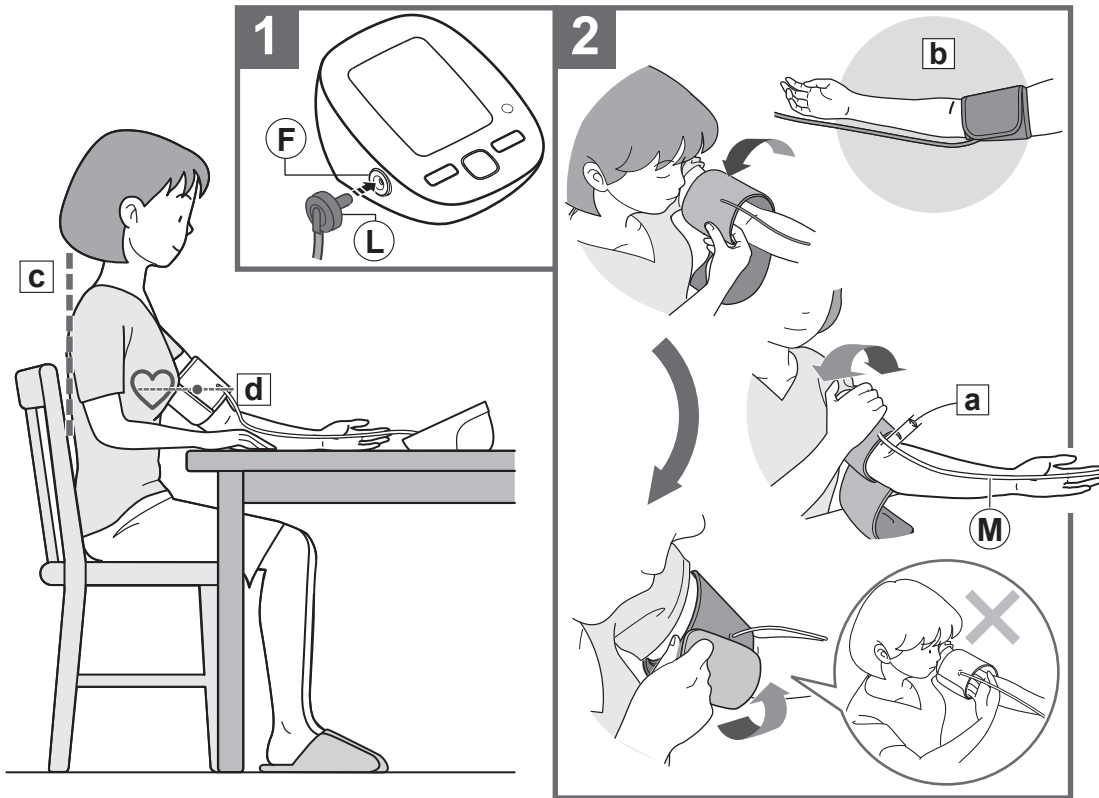
**Automatic Blood Pressure Monitor
Model HEM-7280T
Instruction Manual**

All for Healthcare

3262572-4B

Package includes:





Contents

Thank you for purchasing the OMRON HEM-7280T Automatic Blood Pressure Monitor.

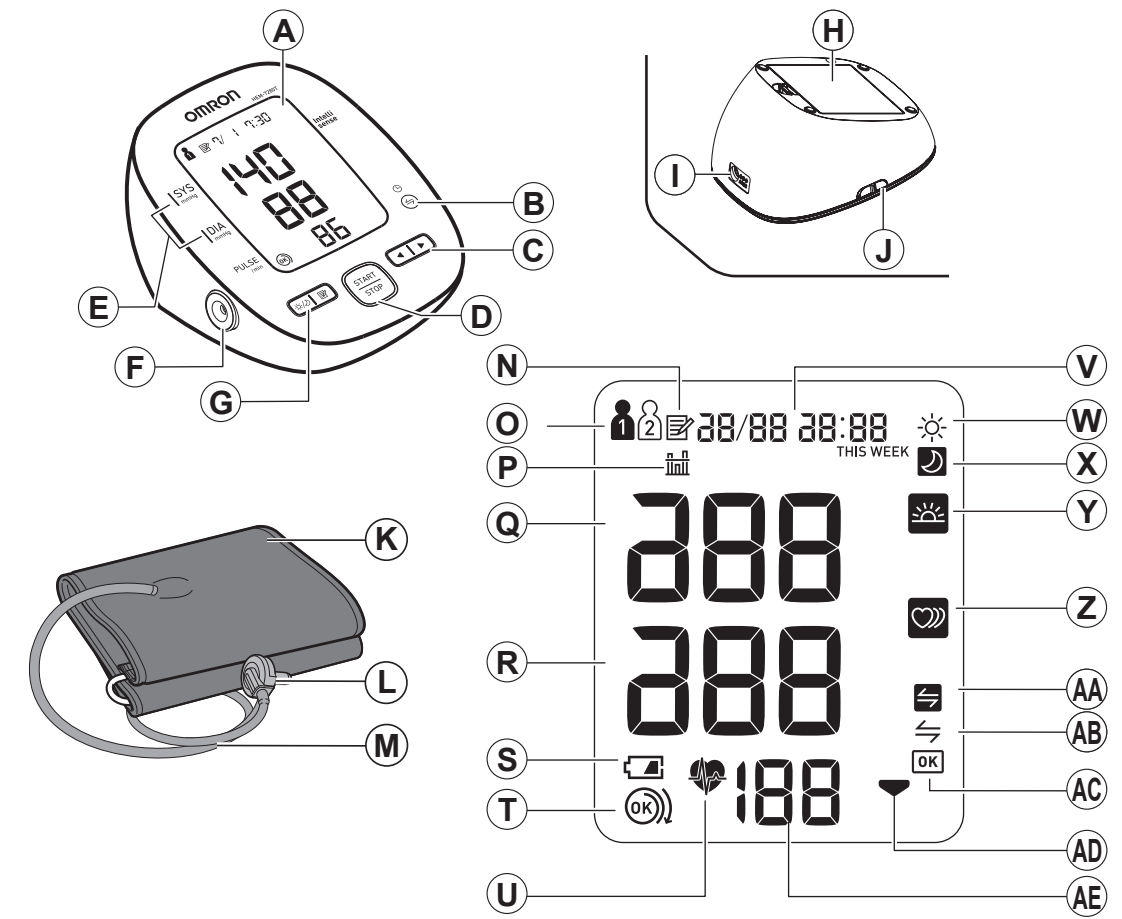
Your new blood pressure monitor uses the oscillometric method of blood pressure measurement. This means the monitor detects your blood movement through your brachial artery and converts the movements into a digital reading. An oscillometric monitor does not need a stethoscope so the monitor is simple to use.

Intended Use

This device is a digital monitor intended for use in measuring blood pressure and pulse rate in adult patient population who can understand this instruction manual with the arm circumference range printed on the arm cuff. The device detects the appearance of irregular heartbeats during measurement and gives a warning signal with the measurement result.

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Please follow this instruction manual thoroughly. Please keep for future reference. For specific information about your own blood pressure, CONSULT YOUR PHYSICIAN.



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 physician. Only a physician is qualified to diagnose and treat High Blood Pressure.

⚠ The monitor is not intended to be a diagnostic device.

⚠ Consult your physician 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, pregnancy, pre-eclampsia, renal diseases.

Note that PATIENT motion, trembling, shivering may affect the measurement reading.

⚠ Do not use the device on the injured arm or the arm under medical treatment.

⚠ Do not apply the arm cuff on the arm while on an intravenous drip or blood transfusion.

⚠ Consult your physician before using the device on the arm with an arterio-venous (A-V) shunt.

⚠ Do not use the device with other medical electrical (ME) equipment simultaneously.

⚠ Do not use the device in the area of HF surgical equipment, MRI, or CT scanner, or in an oxygen rich environment.

⚠ The air tube or the AC adapter cable may cause accidental strangulation in infants.

⚠ Contains small parts that may cause a choking hazard if swallowed.

(Data Transmission)

⚠ Do not use this product on aircraft or in hospitals and remove the battery and AC adapter from the device. Turn off the *Bluetooth*[®] of the monitor in those areas where use of wireless equipment is prohibited. This product emits radio frequencies (RF) in the 2.4 GHz band, use of this product in locations where RF is restricted is not recommended.

(AC Adapter (optional) Usage)

⚠ Do not use the AC adapter if the device or the power cord is damaged. Turn off the power and unplug the power cord immediately.

⚠ Plug the AC adapter into the appropriate voltage outlet. Do not use in a multi-outlet plug.

⚠ Never plug in or unplug the power cord from the electric outlet with wet hands.

Important Safety Information

⚠ 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 physician. Self-diagnosis of measurement results and self-treatment are dangerous.
- ⚠ Consult your physician before using the device for any of the following conditions:
 - If you have had a mastectomy.
 - People with severe blood flow problems or blood disorders as cuff inflation can cause bruising.
- ⚠ Do not take measurements more than necessary. It may cause bruising due to blood flow interference.
- ⚠ 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.
- ⚠ Do not use a mobile phone or other devices that emit electromagnetic fields near the device except when in use for wireless communications. This may result in incorrect operation of the device.
- ⚠ 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.
- ⚠ Read "If your systolic pressure is more than 210 mmHg" (page 14) of this instruction manual, if your systolic pressure is known to be more than 210 mmHg. Inflating to a higher pressure than necessary may result in bruising where the cuff is applied.

(AC Adapter (optional) Usage)

- ⚠ Fully insert the power plug into the outlet.
- ⚠ When disconnecting the power plug from the outlet, do not pull the power cord. Be sure to pull from the power plug safely.
- ⚠ When handling the power cord, take care not to do the following:

Do not damage.	Do not break it.
Do not tamper with it.	Do not forcibly bend or pull.
Do not twist.	Do not bundle during use.
Do not pinch.	Do not place under heavy objects.

Important Safety Information

- ⚠ Wipe the dust off from the power plug.
- ⚠ Unplug monitor when not in use.
- ⚠ Disconnect the power plug before cleaning.
- ⚠ Use only an OMRON AC adapter designed for this device. Use of unsupported adapters may damage and/or may be hazardous to the device.

(Battery Usage)

- ⚠ Do not insert the batteries with their polarities incorrectly aligned.
- ⚠ Use only 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.

General Precautions

- Do not forcibly crease the arm cuff or the air tube excessively.
- Do not press the air tube while taking a measurement.
- 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 Electro Magnetic Compatibility (EMC)” in the EMC information provided with this device.
- Read and follow the “Correct Disposal of This Product” in “7. Technical Data” when disposing of the device and any used accessories or optional parts.

1. Know Your Device



Open the rear cover page to read the following:

The letter identifiers on the rear cover page correspond to those in the body of this page.

Monitor

- A** Display
- B** Connection button
- C** Up/Down buttons
- D** START/STOP button
(Blue lamp lights when be pressed)
- E** Blood pressure level indicator
(colour)
- F** Air jack
- G** Memory/Weekly average button
- H** Battery compartment
- I** AC adapter jack
(For optional AC adapter)
- J** USER ID selection switch

Arm cuff

- K** Arm cuff (Arm circumference 22-42cm)
- L** Air plug
- M** Air tube

Display

- N** Memory symbol
- O** USER ID symbol
- P** Average value symbol
- Q** Systolic blood pressure
- R** Diastolic blood pressure
- S** Battery symbol (low/depleted)
- T** Cuff wrap guide symbol
- U** Heartbeat symbol
(Flashes during measurement)
- V** Date/Time display
- W** Morning average symbol
- X** Evening average symbol
- Y** Morning hypertension symbol
- Z** Irregular heartbeat symbol
- AA** SYNC symbol
- AB** Connection symbol
- AC** OK symbol
- AD** Deflation symbol
- AE** Pulse display / Memory number

1. Know Your Device

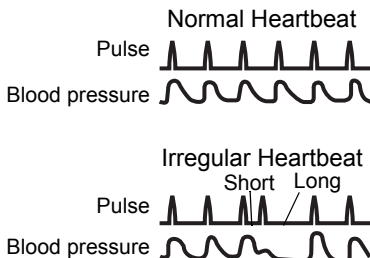
1.1 Display Symbols

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 physician. Follow the directions of your physician.



Average Value Symbol (📊)

The average value symbol is displayed when you press and hold the Memory button for more than 3 seconds. The most recent average value appears on the display screen.

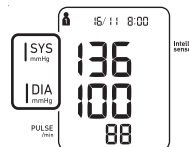
Cuff Wrap Guide Symbol (📏/📏)

If the cuff was wrapped too loosely, it may cause unreliable results. If the wrapping of cuff is too loose, the cuff wrap guide symbol 📏 appears. Otherwise 📏 appears. This is the function which is used as an aid in determining if the cuff is wrapped snugly enough.

1. Know Your Device

Blood Pressure Level Indicator (Colour)

If your Systolic Blood Pressure is 135 mmHg or above and/or the Diastolic Blood Pressure is 85 mmHg or above, the blood pressure level indicator (colour) will light in “orange” when the measurement result is displayed. If the measurements are within the standard range, no light will appear.



2013 ESH/ESC Guidelines for the management of arterial hypertension

Definitions of hypertension by office and home blood pressure levels

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

1.2 Before Taking a Measurement

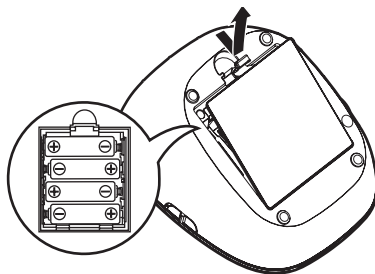
To help ensure an accurate reading, follow these directions:

1. Avoid bathing, drinking alcohol or caffeine, smoking, exercising and eating for 30 minutes before taking a measurement. Rest for at least 5 minutes before taking the measurement.
2. Stress raises blood pressure. Avoid taking measurements during stressful times.
3. Measurements should be taken in a quiet place.
4. Remove tight-fitting clothing from your arm.
5. Sit on a chair with your legs uncrossed and your feet flat on the floor. Rest your arm on a table so that the arm cuff is at the same level as your heart.
6. Remain still and do not talk during the measurement.
7. Keep a record of your blood pressure and pulse readings for your physician. A single measurement does not provide an accurate indication of your true blood pressure. You need to take and record several readings over a period of time. Try to measure your blood pressure at the same time each day for consistency.


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.



Notes:

- Please keep the batteries in your device all the time when you use an optional AC adapter.
- When the depleted battery symbol () appears on the display, turn the monitor off and remove all the batteries. Replace with 4 new 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.
- Dispose of the device, components and optional accessories according to applicable local regulations. Unlawful disposal may cause environmental pollution.

2.2 Pairing this Device with a Smartphone

To begin using the OMRON connect app for the first time, please visit www.omronconnect.com/setup for the initial set-up instructions.

List of Compatible Smartphones at: www.omronconnect.com/devices
For details, visit: www.omronconnect.com


1. Download and install the free “OMRON connect” app on your smartphone.

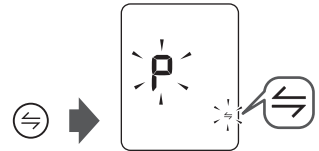


* If you already have the OMRON connect app, go to:
Menu > Device > Add Device

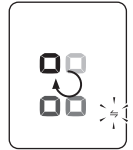
2. Open the app on your smartphone and follow set-up and pairing instructions.

3. Press the connection button for more than 2 seconds.

The connection symbol () and the “P” flashes on the device’s display.

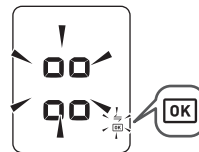


4. Open the app on your smartphone and follow the device pairing instructions shown on your smartphone, while the connection symbol is flashing on the device’s display.



5. Confirm if the device is connected successfully.

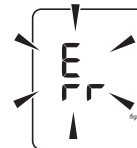
When the device is connected successfully to the smartphone, “OK” symbol and the display shown on the right will flash.



The monitor will automatically turn off without any operations.

The date and time settings of your smartphone will automatically sync with the device when paired.

When “Err” appears, refer to “Connection failure.” in section 4.2 for more detail.



Notes:



- You can pair up to 4 destination smartphones with the monitor.
- When paired with 5 or more smartphones, any information previously stored in your device will be overwritten.
- Any readings currently saved in the blood pressure monitor’s memory will automatically be transferred to the app after successful completion of the pairing process.

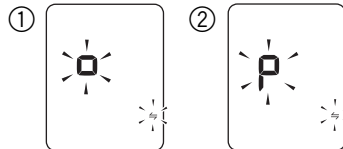
2. Preparation

To Set the Date and Time Manually

The date and time will be automatically set when paired with your smartphone. To set manually, follow the instructions below.

1. Press the connection button.


- ① The connection symbol () and the “□” flashes on the device’s display. You can transfer the data, and refer to “To Transfer the Data” (page 15).
- ② The connection symbol () and the “P” flashes on the device’s display. You can pair this device with your smartphone, and refer to “Pairing this Device with a Smartphone” (page 8).

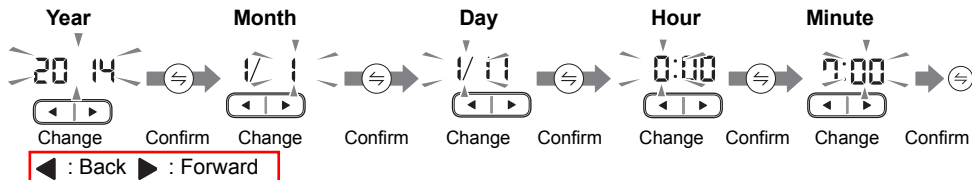


2. Then press the connection button again.

The year flashes on the Date/Time display.

3. Push or button to change the year.

Push  button to confirm the year and then the month flashes. Repeat the same steps to change the month, day, hour, and minute.



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

3. Using the Device



Open both the front and rear covers to read the following:

The letter identifiers on the cover pages correspond to those in the body of this page.

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 **L** the air plug into **F** 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 **a** 1 to 2 cm above the elbow.

M Air tube is on the inside of your arm and aligned with your middle finger.

3. Secure closed with the fabric fastener.

Notes:

- 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. --- **b**
- The blood pressure can differ between the right arm and the left arm, and the measured blood pressure values can be different. OMRON recommends to always use the same arm for measurement. If the values between both arms differ substantially, please check with your physician which arm to use for your measurements.

3.2 How to Sit Correctly

To take a measurement, you need to be relaxed and comfortably seated, under comfortable room temperature. Avoid bathing, drinking alcohol or caffeine, smoking, exercising or eating 30 minutes before taking a measurement.

- Sit on a chair with your legs uncrossed and your feet flat on the floor.
- Sit upright with your back straight. --- **c**
- Sit with your back and arm being supported.
- The arm cuff should be placed on your arm at the same level as your heart. --- **d**

3. Using the Device

3.3 Taking a Measurement

Check if the date and time are correct on the display before taking the measurement. If the date and time settings are necessary, refer to “To Set the Date and Time Manually” (page 11).

Notes:

- To stop a measurement, press the START/STOP button once to deflate the arm cuff.
- Remain still and quiet while taking a measurement.

The monitor is designed to take measurements and store the measurement values in the memory for 2 people using USER ID 1 and USER ID 2.

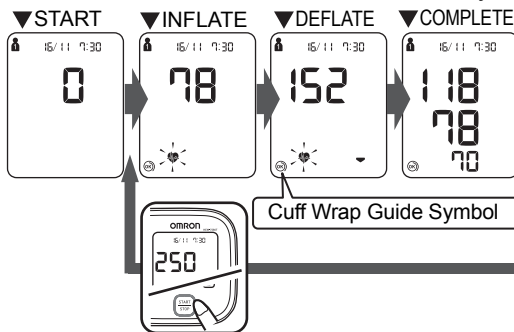
1. Select your USER ID (1 or 2).

Push the switch up or down to select USER ID.



2. Press the START/STOP button.

The arm cuff starts 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.

Notes:

- The monitor will not inflate above 299 mmHg.

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

3. Using the Device

3. Remove the arm cuff.

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

The monitor automatically stores the measurement result in its memory. It will automatically turn off after 2 minutes without any operations.

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.

To Transfer the Data

After the measurement is complete, you can transfer the data (measurement results of blood pressure and pulse rate).

Notes:

- The stored data can be transferred all at once.
- The date and time settings of your smartphone will sync with the device when transferred.
*Sync occurs if the time between smartphone and device differs more than 10 minutes.

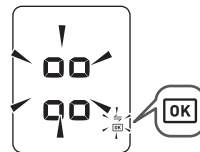
1. Open the app on your smartphone.

2. Pull down to refresh the screen of the app and the data transfer starts.

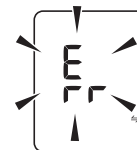
* If the data transfer is not starting, refer to “Connection failure. Data cannot be sent.” in “4. Error Messages and Troubleshooting”.

3. Confirm with your device if the measurement data is transferred successfully.

If the display on the right is shown, the data is transferred successfully.



When "Err" appears, refer to "Data cannot be sent." in section 4.2 for more detail.



3. Using the Device

To Use the Guest Mode

The monitor stores measurement values for 2 users in the memory. The guest mode can be used to take a single measurement for another user. No measurement values are stored in the memory when the guest mode is selected.

1. Press and hold the START/STOP button for more than 3 seconds.



The USER ID symbol and the Date/Time display will disappear.

2. Release the START/STOP button when the Date/Time display turns off.

The arm cuff will start to inflate automatically.

- ▲ DO NOT adjust medication based on measurement results from this blood pressure monitor. Take medication as prescribed by your physician. Only a physician is qualified to diagnose and treat High Blood Pressure.
- ▲ This monitor is not intended to be a diagnostic device.
- ▲ Always consult your physician. Self-diagnosis of measurement results and self-treatment are dangerous.
- ▲ Read "If your systolic pressure is more than 210 mmHg" (page 14) of this instruction manual, if your systolic pressure is known to be more than 210 mmHg. Inflating to a higher pressure than necessary may result in bruising where the cuff is applied.

3.4 Using the Memory Function

The monitor automatically stores the results up to 100 sets for each user (1 and 2). It can also calculate an average value based on the last 3 measurement values taken within 10 minutes.

Notes:

- If there are only 2 measurement values in the memory for that period, the average will be based on these 2 values.
- If there is 1 measurement value in the memory for that period, this is displayed as the average.
- If the memory is full, the monitor will delete the oldest value.
- When the SYNC symbol (☒) appears on the display, transfer the data before the measurement values are deleted. Refer to “To Transfer the Data” (page 15).
- When viewing the measurement value taken without setting the date and time, “- / - - : -” is displayed instead of the date and time.

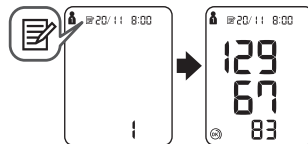
To View the Measurement Values Stored in Memory

1. Select your USER ID (1 or 2).

2. Press the button.


The Memory number appears for a second before the pulse rate is displayed. The newest set is numbered “1”.

Note: The cuff wrap guide result appears on the display with the measurement values.




3. Press the or button to view the values stored in the memory.

 : To view the older values

 : To view the more recent values

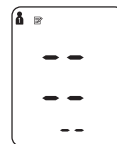
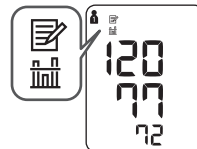
3. Using the Device

To View the Average Value

1. Select your **USER ID (1 or 2)**.
2. Press and hold the  button for more than 3 seconds.

Notes:

- If the previous measurement was taken without setting the date and time, the average value is not calculated.
- If there are no measurement values stored in the memory, the screen to the right is displayed.



To View the Weekly Average Value

The monitor calculates and displays weekly averages for the measurements taken in the morning and evening within 8 weeks for each user.

Note: The week begins Sunday at 2:00.

1. Select your **USER ID (1 or 2)**.

3. Using the Device

2. Press the ☀/🌙 button.

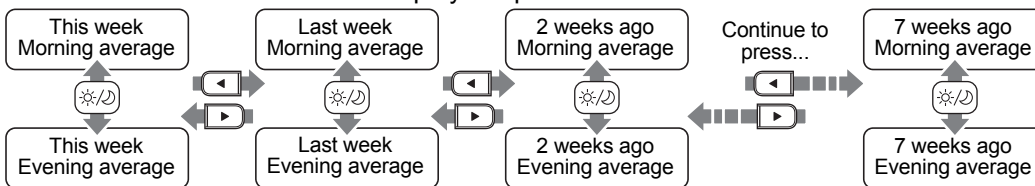
The morning average for “THIS WEEK” appears on the display.

Note: The morning hypertension symbol (☀) appears if the morning weekly average is above 134/84 mmHg.

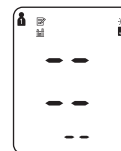
Press the ☀/🌙 button again, and the evening average for “THIS WEEK” appears on the display.



Press the ◀ or ▶ button to display the previous weeks.



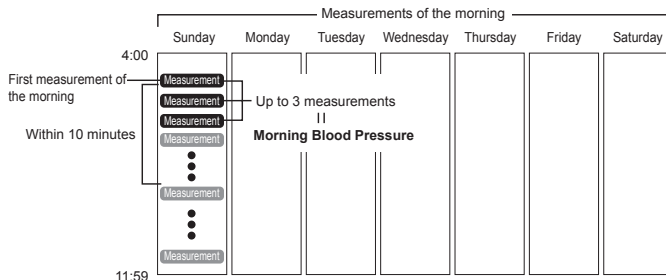
Note: If there are no measurement values stored in the memory, the screen to the right is displayed.



3. Using the Device

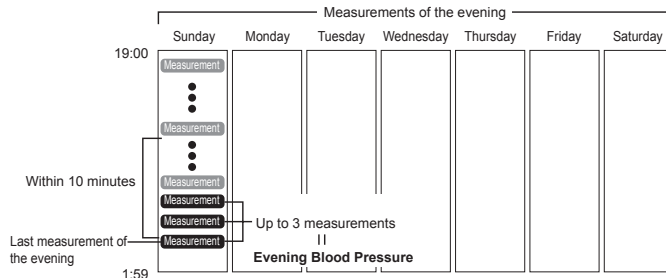
Morning Weekly Average

This is the average for the measurements taken during the morning (4:00 - 11:59) between Sunday and Saturday. An average for each day is calculated for up to three measurements taken within 10 minutes of the first measurement of the morning.



Evening Weekly Average

This is the average for the measurements taken during the evening (19:00 - 1:59) between Sunday and Saturday. An average for each day is calculated for up to three measurements taken within 10 minutes of the last measurement of the evening.



3. Using the Device

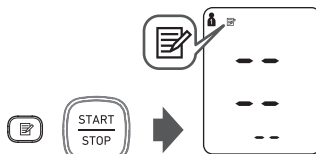
To Delete All the Values Stored in Memory

The values stored in the memory are deleted by USER ID.

- 1. Select your USER ID (1 or 2).**
 - 2. Press the Memory button while the memory symbol (📝) appears.**
-

- 3. While holding the 📝 button down, press the START/STOP button for more than 3 seconds.**

Note: You cannot partially delete the values stored in the memory. All values for the user you select will be deleted.



3.5 Turning “OFF” the *Bluetooth*[®]

Turn off the *Bluetooth*[®] of the monitor in the following areas where use of wireless equipment is prohibited.

- On aircraft
- In hospitals
- While abroad

Make sure that the power has been off before starting the instructions below.

-
1. Press and hold the connection  button for more than 10 seconds.

-
2. Release the  button when “OFF” appears on the display.





-
3. Press the START/STOP button to turn the monitor off.

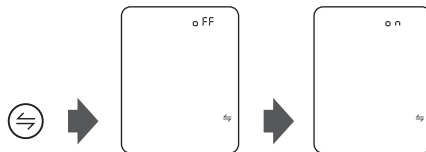
Note: The monitor will automatically turn off after 2 minutes.

3. Using the Device

To turn “ON” the Bluetooth®

Make sure that the power has been off before starting the instructions below.

1. Press and hold the connection  button for more than 10 seconds.
2. Release the  button when “ON” appears on the display.



3. Press the START/STOP button to turn the monitor off.

Note: The monitor will automatically turn off after 2 minutes.

3.6 Initial Setting of the Monitor

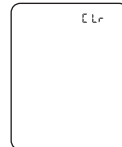
To delete all the information stored in your monitor, follow the instructions below. Make sure that the monitor's power has been off.

-
1. While holding the  button down, press the **START/STOP** button for more than 5 seconds.



-
2. Release the  and **START/STOP** button when **"CLr"** appears on the display.

The "CLr" will appear on the display when your monitor has been initial setting.



-
3. Press the **START/STOP** button to turn the monitor off.







The monitor will automatically turn off after 10 seconds even forgetting the off the monitor.

Notes:

- Initial setting of the monitor will not delete the information in the app.
- The monitor will automatically turn off after 2 minutes.

4. Error Messages and Troubleshooting

4.1 Error Messages

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 physician.
	Arm cuff is applied too loosely.	Apply the arm cuff tighter. Refer to section 3.1.
	The batteries are low.	Recommend to replace the batteries with new ones ahead of time. Refer to section 2.1.
	The batteries are depleted.	Replace 4 batteries with new ones at once. Refer to section 2.1.
	Communication failed.	Refer to section 4.2.
	Device error.	Contact your local OMRON representative.

4. Error Messages and Troubleshooting

Display	Cause	Solution
E1	Air plug is disconnected.	Insert the air 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.	Replace the arm cuff with a new one. Refer to Chapter 6.
E2	Movement during measurement and the arm cuff has not been inflated sufficiently.	Repeat measurement. Remain still and do not talk during measurement. Refer to section 3.3.
		If "E2" appears repeatedly, inflate the arm 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. Refer 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.

4. Error Messages and Troubleshooting

4.2 Troubleshooting

Problem	Cause	Solution
The reading is extremely low (or high).	Arm cuff is applied 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.	Replace the arm cuff with a new one. Refer to Chapter 6.
Arm cuff deflates too soon.	The arm cuff is loose.	Apply the arm cuff correctly so that it is firmly wrapped around the arm. Refer to section 3.1.
Cannot measure or readings are too low or too high.	The arm cuff has not been inflated sufficiently.	Inflate the arm cuff so that it is 30 to 40 mmHg above your previous measurement result. Refer to section 3.3.

4. Error Messages and Troubleshooting

Problem	Cause	Solution
Nothing happens when you press the buttons.	The batteries are depleted.	Replace the 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.
Connection failure. Data cannot be sent.	The blood pressure monitor might not be properly placed within the smartphone's transmission range and is too far from the smartphone. If there are no causes of data transmission interference found near the blood pressure monitor, move the blood pressure monitor within 5 m of the smartphone and try again.	
	The <i>Bluetooth</i> [®] feature of the smartphone is turned off. Turn on the <i>Bluetooth</i> [®] feature of the smartphone and your monitor, and try sending the data again.	
	The <i>Bluetooth</i> [®] feature of the blood pressure monitor is turned off. Refer to "To turn "ON" the Bluetooth [®] " in "3. Using the Device".	
	The blood pressure monitor did not pair successfully to the smartphone. Try to pair the devices again. Refer to "Pairing this Device with a Smartphone" in section 2.2.	
	The blood pressure monitor is not ready, follow the step "1. Press the connection button." in "To Set the Date and Time Manually".	
	The application on the smartphone is not ready. Check the application then try sending the data again. Refer to "Pairing this Device with a Smartphone" in section 2.2. If the Err symbol still lights after checking the application, contact customer service.	

4. Error Messages and Troubleshooting

Problem	Cause	Solution
Other problems.	<ul style="list-style-type: none">• Press the START/STOP button and repeat measurement.• Replace the batteries with new ones.	If the problem continues, contact your local OMRON representative.

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 and dry cloth, or a soft and moistened cloth and neutral soap to clean on the monitor and the arm cuff.
- Changes or modification not approved by the manufacturer will void the user warranty. Do not disassemble or attempt to repair the device or components. Consult your local OMRON representative.

Calibration and Service

- The accuracy of this device 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. Please consult your local OMRON representative.

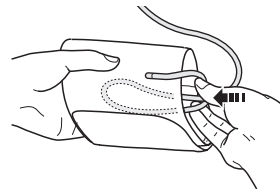
5.2 Storage

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.

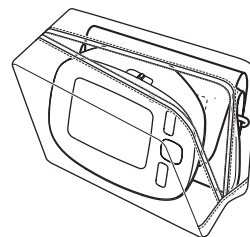
Note: Do not bend or crease the air tube excessively.



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 exposed to vibrations, shocks or where it will be at an angle.



6. Optional Parts

Arm Cuff

Arm circumference
17 - 22 cm



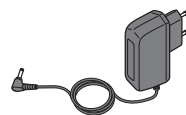
Small Cuff
HEM-CS24

Arm circumference
22 - 42 cm



Wide Range Soft Cuff
HEM-RML31

AC adapter



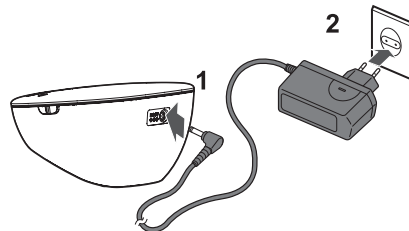
Adapter S
Model: 60240HW5SW

Note: Please check with your local OMRON representatives for the appropriate optional parts.

Using the Optional AC Adapter

If AC adapter is used without batteries and unplug the AC adapter from the electrical outlet, the data and time are reset.

- 1. Insert the AC adapter plug into the AC adapter jack on the rear side of the monitor.**
- 2. Plug the AC adapter into an electrical outlet.**



To disconnect the AC adapter, unplug the AC adapter from the electrical outlet first, and then remove the AC adapter plug from the monitor.

7. Technical Data

Product description

Model

Automatic Blood Pressure Monitor

HEM-7280T

Display

LCD digital display

Measurement method

Oscillometric method

Transmission method

Bluetooth® Version 4.0 (Low Energy support)

Measurement range

Pressure: 0 to 299 mmHg

Pulse: 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

100 measurements with date and time for each user (1 and 2)

Rating

DC6 V 4 W

Power source

4 "AA" batteries 1.5 V or AC adapter
(AC ADAPTER-S, INPUT AC100-240 V 50/60 Hz 0.12 A)

Battery life

Approximately 1000 measurements
(using new alkaline batteries, operating temperature and humidity 23 °C, 65 % RH, cuff circumference 25 cm, max pressure 170 mmHg)

Applied part



= Type BF

Protection against electric shock

Internally powered ME equipment (When using only the batteries)



= Class II ME equipment (Optional AC adapter)

Operating temperature / humidity / air pressure

+10 °C to +40 °C / 15 % to 85 % RH / 700 to 1060 hPa

Storage temperature / humidity / air pressure

-20 °C to +60 °C / 10 % to 95 % RH / 700 to 1060 hPa

IP classification

IP 20

Weight

Monitor: Approximately 364 g without batteries

Arm cuff: Approximately 170 g

Outer dimensions

Monitor: Approximately 115 (w) mm × 84 (h) mm × 139 (l) mm

Arm cuff: Approximately 145 mm × 594 mm

Cuff circumference

22 to 42 cm

Cuff / Tube material

Nylon, polyester, polyvinyl chloride

Package contents

Monitor, arm cuff, instruction manual, storage case, battery set, EMC information

7. Technical Data

Notes:

- Subject to technical modification without prior notice.
- In the clinical validation study, the 5th phase was used on 85 subjects for determination of diastolic blood pressure.
- This device is clinically investigated according to the requirements of ISO 81060-2:2013.
- This device has not been validated for use in pregnancy.
- IP classification is degrees of protection provided by IEC 60529.

CE0197

- This device fulfils the provisions of EC directive 93/42/EEC (Medical Device Directive).
- This device 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 device is produced under the strict quality system of OMRON HEALTHCARE Co., Ltd., Japan. The core component for OMRON devices, which is the Pressure Sensor, is produced in Japan.



This Product operates in the unlicensed ISM band at 2.4 GHz. In case this Product is used around the other wireless devices including microwave and wireless LAN, which operate same frequency band of this Product, there is a possibility that interference occurs between this Product and such other devices. If such interference occurs, please stop the operation of other devices or relocate this Product before using this Product or do not use this Product around the other wireless devices.



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

Android and Google Play are both trademarks of Google Inc.

7. Technical Data

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. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this 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 take 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 wastes for disposal.



8. Some Useful Information about Blood Pressure

What is Blood Pressure?

Blood pressure is a measure of the force of blood flowing against the walls of the arteries. Arterial blood pressure is constantly changing during the course of the heart's cycle.

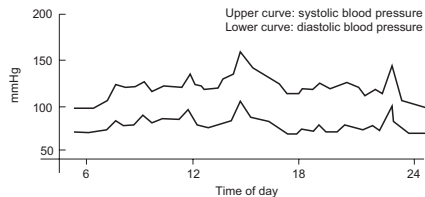
The highest pressure in the cycle is called the *Systolic Blood Pressure*; the lowest is the *Diastolic Blood Pressure*. Both pressures, the *Systolic* and *Diastolic*, are necessary to enable a physician to evaluate the status of a patient's blood pressure.

What is Arrhythmia?

Arrhythmia is a condition where the heartbeat rhythm is abnormal due to flaws in the bio-electrical system that drives the heartbeat. Typical symptoms are skipped heartbeats, premature contraction, an abnormally rapid (tachycardia) or slow (bradycardia) pulse.

Why is it a Good Thing to measure Blood Pressure at Home?

Many factors such as physical activity, anxiety, or the time of day, can influence your blood pressure. A single measurement may not be sufficient for an accurate diagnosis. Thus it is best to try and measure your blood pressure at the same time each day, to get an accurate indication of any changes in blood pressure. Blood pressure is typically low in the morning and increases from afternoon to evening. It is lower in the summer and higher in the winter.



Example: fluctuation within a day (male, 35 years old)

