

Introduction

Thank you for purchasing the OMRON HEM-7130 Automatic Blood Pressure Monitor.

The OMRON HEM-7130 is a compact, fully automatic blood pressure monitor, operating on the oscillometric principle. It measures your blood pressure and pulse rate simply and quickly. For comfortable controlled inflation without the need of pressure pre-setting or re-inflation the device uses its advanced "IntelliSense" technology.

Intended Use

This product is designed to measure the blood pressure and pulse rate of people within the range of the designated arm cuff, following the instructions in this instruction manual.

It is mainly designed for general household use. Please read the Important Safety Information in this instruction manual before using the unit.

Please follow this instruction manual thoroughly. Please keep for future reference.

For specific information about your own blood pressure, CONSULT YOUR DOCTOR.

Important Safety Information

Please read this section carefully before using the unit.

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 doctor. Only a doctor is qualified to diagnose and treat High Blood Pressure.
- Consult your doctor 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 the injured arm or the arm under medical treatment.
- Do not apply the arm cuff on the arm while being on an intravenous drip or blood transfusion.
- Consult your doctor 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 the HF surgical equipment, MRI, or CT scanner exists, or in the 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 by infants.
- Stop using the unit and consult your doctor if you experience skin irritation or other troubles.

(AC Adapter (optional) Usage)

- Do not use the AC adapter if the unit 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 a multiple-tap.
- Never plug in or unplug the power cord from the electric outlet with wet hands.

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 doctor. Self-diagnosis of measurement results and self-treatment are dangerous.
- Consult your doctor 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.
- If there are any abnormalities during the measurement, remove the arm cuff.
- Do not use this device on infants or persons who cannot express their intentions.
- Do not inflate the arm cuff more than necessary.
- Do not use the unit 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. 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 (car, airplane).

(Battery Usage)

- Do not insert the batteries with their polarities incorrectly aligned.
- Use only four "AA" alkaline or manganese batteries with this unit. Do not use other types of batteries. Do not use new and used batteries together.
- Remove the batteries if the unit will not be used for 3 months or more.

(AC Adapter (optional) Usage)

- Fully insert the power plug.
- When disconnecting the power plug, do not pull the power cord. Be sure to hold the power plug.

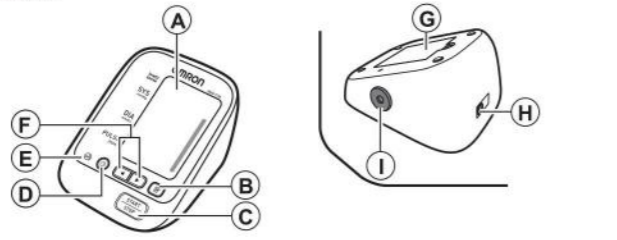
- When handling the power cord, observe the following:
 - Do not damage.
 - Do not break it.
 - Do not tamper with it.
 - Do not forcibly bend or pull.
 - Do not twist.
 - Do not bundle during use.
 - Do not pinch.
 - Do not place under heavy objects.
- Wipe the dust off from the power plug.
- Disconnect the power plug if the product will not be used for a long period of time.
- Disconnect the power plug before starting maintenance.
- Use only the original AC adapter designed for this unit. Use of unsupported adapters may damage and/or may be hazardous to the unit.

General Precautions

- Do not forcibly bend the arm cuff or bend the air tube excessively.
- To unplug the air plug, pull on the air plug at the connection with the main unit, not the tube itself.
- Do not apply strong shocks and vibrations to or drop the unit and arm cuff.
- Do not inflate the arm cuff when it is not wrapped around your arm.
- Read and follow the "Important information regarding Electro Magnetic Compatibility (EMC)" in the EMC information provided with this unit.
- Do not use the device outside the specified environment. It may cause an inaccurate reading.
- Dispose of the device, components and optional accessories according to applicable local regulations. Unlawful disposal may cause environmental pollution.

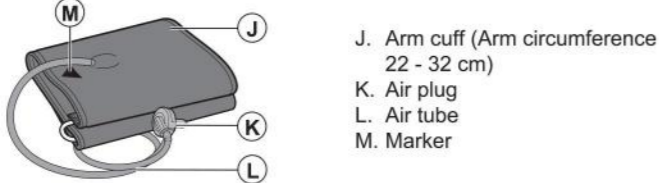
1. Overview

Main unit:



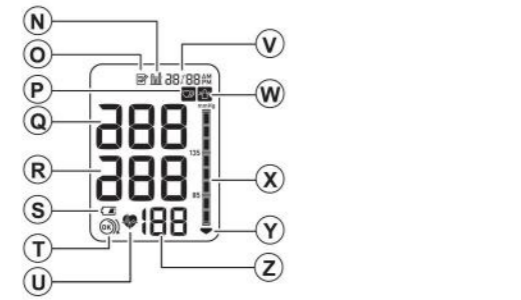
- A. Display
B. Memory button
C. START/STOP button
D. Date/Time setting () button
E. Cuff wrapping guide lamp
- F. Up/Down () buttons
G. Battery compartment
H. AC adapter jack (for optional AC adapter)
I. Air jack

Arm cuff:



- J. Arm cuff (Arm circumference 22 - 32 cm)
K. Air plug
L. Air tube
M. Marker

Display:

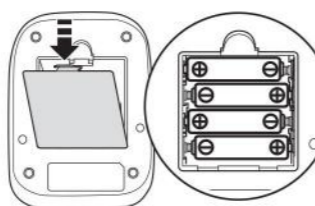


- N. Average value symbol
O. Memory symbol
P. Irregular heartbeat symbol
Q. Systolic blood pressure
R. Diastolic blood pressure
S. Low battery symbol
T. Cuff wrapping guide
- U. Heartbeat symbol
• Flashes during measurement.
V. Date/Time display
W. Movement error symbol
X. Blood pressure level indicator
Y. Deflation symbol
Z. Pulse display and Memory number

2. Preparation

2.1 Installing/Replacing the Batteries

1. Remove the battery cover.
2. Insert four "AA" batteries as indicated in the battery compartment and then replace the battery cover.

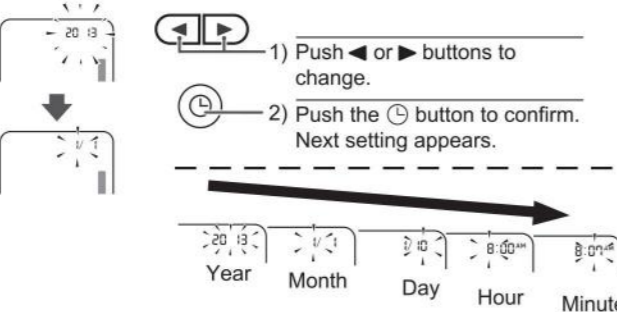


Notes:

- If the low battery symbol () appears on the display, turn the monitor off then replace all batteries at the same time.
- 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 Setting the Date and Time

1. Press the () button.
2. Set the monitor to the correct date and time before taking a measurement for the first time.



3. Press the START/STOP button to store the setting.

Notes:

- If the batteries have been replaced, the date and time setting will need to be reset.
- If the date and time are not set, "--" appears during or after measurement.

3. Using the Unit

3.1 Applying the Arm Cuff

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

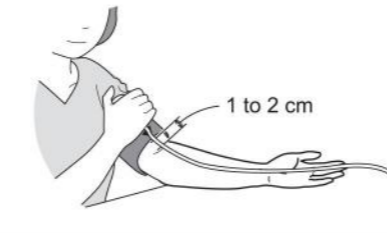
1. Insert the air plug into the air jack securely.



2. Put your arm through the cuff loop.



The bottom edge of the arm cuff should be 1 to 2 cm above the elbow. Marker (arrow under the air tube) is centered on the middle of your inner arm.



3. Close the fabric fastener FIRMLY.



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.
- The blood pressure can differ between the right arm and the left arm, and therefore also 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 doctor 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, under comfortable room temperature. Avoid bathing, drinking alcohol or caffeine, smoking, exercising or eating 30 minutes before taking a measurement. Also avoid taking measurements during stressful time. Stress raises blood pressure.

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

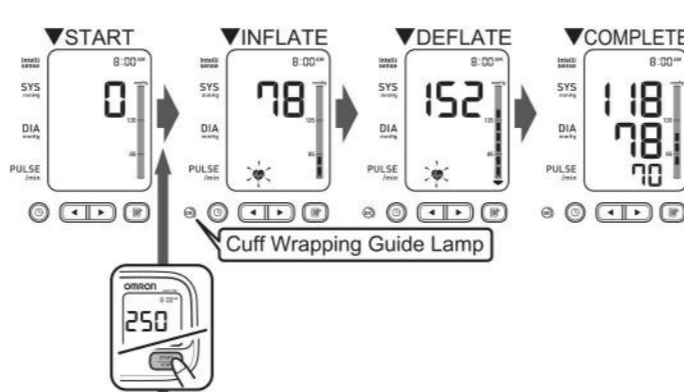


3.3 Taking a Reading

Notes:

- To cancel a measurement, press the START/STOP button to release the air in the arm cuff.
- Remain still while taking a measurement.

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.

Notes:

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

Note: Wait 2-3 minutes before taking another blood pressure measurement. Waiting between readings allows the arteries to return to the condition prior to taking the blood pressure measurement.

Always consult your doctor. Self-diagnosis of measurement results and self-treatment are dangerous.

Cuff Wrapping Guide Lamp:

The cuff wrapping guide lamp () lights in green, the cuff is correctly wrapped tightly enough on the arm and the reading is accurate and reliable. If it does not light, the reading is not reliable due to the incorrect wrapping of the cuff. Please wrap the cuff again, taking care to wrap it correctly and take the measurement again.

2. Remove the arm cuff.

3. Press the START/STOP button to turn the monitor off. The monitor automatically stores the measurement in its memory. It will automatically turn off after 2 minutes.

Important:

Recent research suggests that the following values can be used as a guide to high blood pressure for measurements taken at home.

Systolic Blood Pressure	Above 135 mmHg
Diastolic Blood Pressure	Above 85 mmHg

This criteria is for home blood pressure measurement.

- Your blood pressure monitor includes an irregular heartbeat feature. Irregular heartbeats can influence the results of the measurement. The irregular heartbeat algorithm automatically determines if the measurement is usable or needs to be repeated. If the measurement results are affected by irregular heartbeats but the result is valid, the result is shown together with the irregular heartbeat symbol (). If the irregular heartbeats cause the measurement to be invalid, no result is shown. If the irregular heartbeat symbol () is shown after you have taken a measurement, repeat the measurement. If the irregular heartbeat symbol () is shown frequently, please make your doctor aware of it.

- If you move during measurement, the movement error symbol () will appear on the display. Keep still and repeat the measurement.

Using the Guest Mode

The monitor stores measurement values for one user 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 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.

3.4 Using the Memory Function

The monitor automatically stores the result up to 60 sets. It can also calculate an average reading based on the measurements from the last three readings taken within 10 minutes. If there are only two readings in memory for that period, the average will be based on two readings. If there is one reading in memory for that period, the average will be based on one reading.

Notes:

- If the memory is full, the monitor will delete the oldest reading.
- When viewing the reading taken without setting the date and time, "--" is displayed instead of the date and time.

To View the Readings Stored in Memory

1. 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 wrapping guide result appears on the display with the measurement values. The cuff wrapping guide lamp will not light.

- () : The arm cuff was correctly wrapped tightly enough.
- () : The arm cuff was loose or not wrapped correctly.

2. Press the () or () button to view the readings stored in memory.
 - ◀: To the older readings
 - ▶: To the more recent readings

To View the Average Value

1. Press and hold the () button for more than 3 seconds.



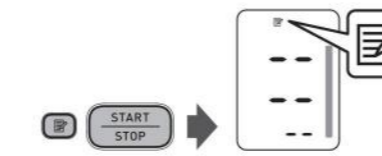
Notes:

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



To Delete All the Values Stored in Memory

When the memory symbol () appears, first press the Memory button. Then while holding it down, press the START/STOP button simultaneously for more than 3 seconds.



Note: You cannot partially delete the stored readings.

4. Troubleshooting and Maintenance

4.1 Error Messages

Error Display	Cause	Remedy
	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 doctor.
	Movement during measurement.	Carefully read and repeat the steps in section 3.3.
	Cuff is not applied correctly.	Apply the arm cuff correctly. Refer to section 3.1.
	The batteries are low.	You should replace them with new ones ahead of time. Refer to section 2.1.
	The batteries are exhausted.	You should replace them with new ones at once. Refer to section 2.1.
	Air plug disconnected.	Insert the plug securely. Refer to section 3.1.
	Arm cuff not applied correctly.	Apply the arm cuff correctly. Refer to section 3.1.
	Air is leaking from the arm cuff.	Replace the cuff with the new one. Refer to Chapter 5.
	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 cuff manually until it is 30 to 40 mmHg above your previous measurement result. Refer to section 3.3.
	The arm cuff was inflated above 299 mmHg when inflating the cuff manually.	Do not inflate the cuff above 299 mmHg. Refer to section 3.3.
	Movement during measurement.	Repeat 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.
	Device error.	Contact your local OMRON representative.

4.2 Troubleshooting

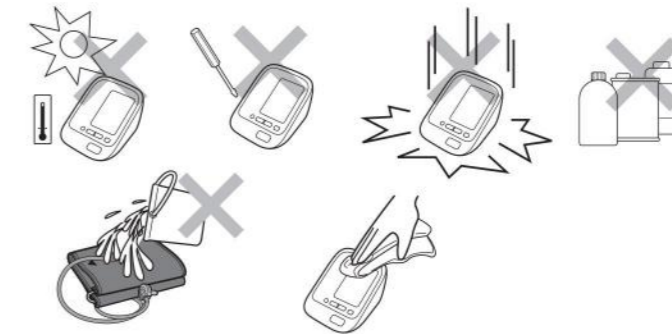
Problem	Cause	Remedy
The reading is extremely low (or high).	Arm cuff not applied correctly.	Apply the arm cuff correctly. Refer to section 3.1.
	Movement or talking during measurement.	Remain still and do not talk during measurement. Refer to section 3.3.
	Clothing is interfering with the arm cuff.	Remove any clothing interfering with the arm cuff. Refer to section 3.1.
Arm cuff pressure does not rise.	The air tube is not securely connected into the main unit.	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 5.
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.

Problem	Cause	Remedy
Cannot measure or readings 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 empty.	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.
Other problems.	• Press the START/STOP button and repeat measurement. • If the problem continues, try replacing the batteries with new ones. If this still does not solve the problem, contact your local OMRON representative.	

4.3 Maintenance

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

- Do not subject the main unit and the cuff to extreme temperatures, humidity, moisture or direct sunlight.
- Do not fold the cuff or tubing tightly.
- Do not disassemble the unit.
- Do not subject the unit to strong shocks or vibrations (for example, dropping the unit on the floor).
- Do not use volatile liquids to clean the main unit.
- Do not wash the arm cuff or immerse it in water.
- Do not use petrol, thinners or similar solvents to clean the arm cuff.
- Do not carry out repairs of any kind yourself. If a defect occurs, consult your local OMRON representative.



- The unit should be cleaned with a soft, dry cloth.
- Use a soft, moistened cloth and neutral soap to clean the arm cuff.

Note: Read and follow the "Correct Disposal of This Product" in the Technical Data Section when disposing of the device and any used accessories or optional parts.

Calibration and Service

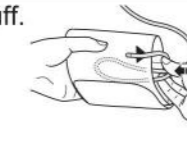
- The accuracy of this blood pressure monitor has been carefully tested and is designed for a long service life.
- It is generally recommended to have the unit inspected every two years to ensure correct functioning and accuracy. Please consult your local OMRON representative.

4.4 Storage

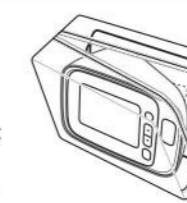
- Keep the unit in its storage case when not in use.
- Store the device and the components in a clean, safe location.

1. Unplug the air plug from the air jack.

2. Gently fold the air tube into the arm cuff.



3. Place the arm cuff and main unit in the storage case.



- Do not store the unit in the following situations:
- If the unit is wet.
 - Locations exposed to extreme temperatures, humidity, direct sunlight, dust or corrosive vapors such as bleach.
 - Locations exposed to vibrations, shocks or where it will be at an angle.

5. Optional Parts

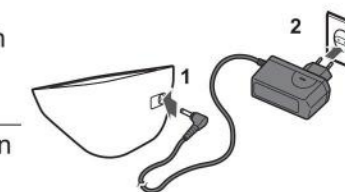
Small Cuff HEM-CS24 Arm circumference 17 - 22 cm	Medium Cuff HEM-CR24 Arm circumference 22 - 32 cm	Wide Range Soft Cuff HEM-RML31 Arm circumference 22 - 42 cm
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- Notes:
 - Please use Adapter [60110HW5SW] in Taiwan, Adapter [6V06ASW-KA] in Korea.
 - Please check with your local OMRON representatives for the appropriate optional parts.

Using the Optional AC Adapter

1. Insert the AC adapter plug into the AC adapter jack on the rear side of the main unit.
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 main unit.

6. Technical Data

Product Description	Automatic Blood Pressure Monitor
Model	HEM-7130
Display	LCD Digital Display
Measurement Method	Oscillometric method
Measurement Range	Pressure: 0 to 299 mmHg Pulse: 40 to 180 beats/min. Pressure: ±3 mmHg Pulse: ±5% of display reading
Accuracy	Fuzzy-logic controlled by electric pump
Inflation	Automatic pressure release valve
Deflation	60 Measurements with date and time
Memory	IP 20
IP classification	DC6V 4W
Rating	4 "AA" batteries 1.5V or AC adapter (optional, INPUT AC100-240V 50/60Hz 0.12A)
Power Source	Approx. 1000 measurements (using new alkaline batteries)
Battery Life	Main Unit: 5 years
Durable Period	Cuff: 1 year (when used 6 times a day)
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 to +40°C / 30 to 85% RH / 700 to 1060 hPa
Storage temperature/ Humidity/ Air pressure	-20 to +60°C / 10 to 95% RH / 700 to 1060 hPa
Console Weight	Approx. 280g without batteries
Cuff Weight	Approx. 130g
Outer Dimensions	Approx. 107 (w) mm × 79 (h) mm × 141(l) mm
Cuff Dimensions	Approx. 145 mm × 466 mm (Cuff: arm circumference 22 to 32 cm)
Cuff/ Tube Material	Nylon, polyester, polyvinyl chloride
Package Contents	Main unit, arm cuff, instruction manual, battery set, storage case, EMC information

Notes:



自動血壓計

型號 HEM-7130 使用說明書

簡介

感謝您購買 OMRON HEM-7130 自動血壓計。

精巧的 OMRON HEM-7130 全自動血壓計以示波震盪法為運作原理，能夠簡單快速地測量血壓與脈搏。本血壓計運用先進的「IntelliSense」技術控制加壓，讓使用時更加舒適，無需預設壓力或重新加壓。

- 用途
- 本產品之設計係讓適用壓脈帶規格的使用者，依照使用說明書之指示測量血壓及脈搏
 - 本產品主要供一般住家使用。使用血壓計前，請務必閱讀使用說明書的重要安全須知。
- 請確實遵守本說明指示手冊。
請保存以供未來參考之用。
如需個人血壓的詳細資訊，請諮詢醫師。

重要安全須知

使用前，請務必詳閱安全須知。

▲ 警告：表示若未避免，可能會導致人員死亡或重傷等具有潛在危險的情況。

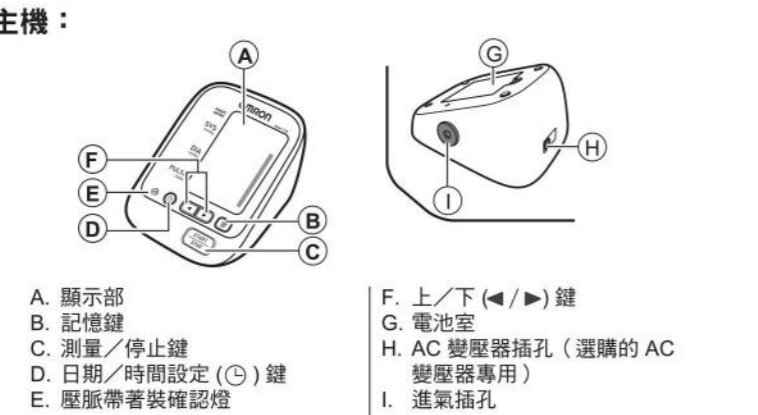
- 【一般使用須知】
- 請勿依據本血壓監測器所得到的測量結果調整藥物治療。請依醫師處方服藥。唯有醫師才具備診斷及治療高血壓之資格。
 - 若有下列任何情況，在使用本裝置之前請先諮詢您的醫師：
 - 心房或心室期外搏動或心房顫動等常見的心律不整、動脈硬化、灌注不佳、糖尿病、老年、懷孕、妊娠毒血症、腎臟疾病、請注意病態的動作，發抖或顫抖可能會影響測量讀數。
 - 請勿在受傷的手臂上，或正在接受藥物治療的手臂上使用本裝置。
 - 請勿在靜脈注射或輸血過程中套上手臂袖套。
 - 在進行動脈脈 (A-V) 分流的手臂上使用本裝置之前，請諮詢您的醫師。
 - 請勿與其他醫療電子 (ME) 設備同時使用本裝置。
 - 請勿在有 HF 外科手術設備、MRI 或 CT 掃描儀的區域，或在多氣環境中使用本裝置。
 - 空氣軟管或 AC 變壓器電線可能會造成嬰幼兒的意外勒傷。
 - 若嬰幼兒不慎吞入細小零件，可能會造成噎塞危險。
 - 若您發生皮膚發炎或其他問題，請停止使用本機器並諮詢您的醫師。

- 【AC 變壓器 (選購) 使用須知】
- 主機或電源線受損時，請勿使用 AC 變壓器。請立即關閉電源，並拔下電源線。
 - 請將 AC 變壓器插入適當電壓之插座。請勿使用多頭插座。
 - 請勿用渾手插拔電源插頭。
- ▲ 注意：表示若未避免，可能導致使用者或病患程度或中度受傷，或造成設備或其他財產損壞等潛在危險情況。

- 【一般使用須知】
- 請隨時諮詢您的醫師。自我診斷測量結果和自行治療皆是危險行為。
 - 若有下列任何情況，在使用本裝置之前，請諮詢您的醫師：
 - 若您接受過乳房切除手術。
 - 有嚴重血流量問題或血液病徵之人士，因為袖套膨脹可能會造成瘀血。
 - 請勿進行非必要的測量。否則可能會因為血液流動不順暢而造成瘀血。
 - 若在測量過程中有任何異常情況，請拆下袖套。
 - 請勿對嬰幼兒或無法表達意願的人士使用本裝置。
 - 請勿過度或非必要地膨脹袖套。
 - 請勿將本裝置用於任何非測量血壓之用途。
 - 僅可使用核准的手臂袖套搭配本裝置。若使用其他的手臂袖套可能會造成不正確的測量結果。
 - 請勿在本裝置附近使用可能會發射電磁磁場的行動電話或其他裝置。否則可能會造成本裝置無法正常運作。
 - 請勿拆解監測器或手臂袖套。否則可能會造成讀數不正確。
 - 請勿在潮濕的位置，或是水可能會潑灑在本裝置上的位置使用本裝置。如此可能會損壞本裝置。
 - 請勿在移動的交通工具中使用本裝置 (例如汽車、飛機)。

- 【電池使用須知】
- 請對齊電池的正負極性位置，正確裝入電池。
 - 血壓計僅能使用四顆 3 號鹼性電池或錳電池。切勿使用其他類型的電池。請勿同時混用新、舊電池。
 - 若未來 3 個月以上都不會使用血壓計，請取出電池。
- 【AC 變壓器 (選購) 使用須知】
- 請將電源插頭完全插入。
 - 拔下電源插頭時勿拉扯電源線。請務必抓住電源插頭。
 - 處理電源線時請遵守下列事項：
 - 切勿毀壞電源線。
 - 切勿剪斷電源線。
 - 切勿拉扯電源線。
 - 切勿夾住電源線。
 - 切勿破壞電線絕緣。
 - 切勿強行彎折或拉扯電源線。
 - 使用電源線時切勿加以纏繞。
 - 切勿以重物壓住電源線。
- 請擦除電源插頭上的灰塵。
 - 若長時間不使用本產品，請拔下電源插頭。
 - 進行維護前請先拔下電源插頭。
 - 血壓計僅能使用專用的原廠 AC 變壓器。使用不支援的變壓器可能會對血壓計造成損壞及/或危害。
- 一般注意事項
- 請勿強行過度彎曲壓脈帶或壓脈帶空氣管。
 - 若要拔下進氣接頭，請握住具與主機連接處以及拔除，勿拉扯空氣管。
 - 請避免強力撞擊、震動，或使血壓計及壓脈帶掉落地面。
 - 未拆緊壓脈帶時請勿加壓。
 - 請閱讀並遵守隨本機組所提供的 EMC 資訊中的「關於電磁相容性 (EMC) 之重要資訊」。
 - 請勿在非規定環境以外的地方使用本裝置。否則可能會造成讀數不正確。
 - 棄置本裝置、元件及選購配件時，必須遵循各地適用之法規。非法棄置可能會造成環境污染。

1. 概觀



- 主機：
- 顯示部
 - 記憶鍵
 - 測量/停止鍵
 - 日期/時間設定 (C) 鍵
 - 壓脈帶著裝確認燈
- 壓脈帶：
- M. 壓脈帶
 - J. 進氣接頭
 - K. 壓脈帶空氣管
 - L. 標記
- 顯示部：
- N. 3 次平均值
 - O. 測量紀錄
 - P. 不規則脈波警示
 - Q. 收縮壓
 - R. 舒張壓
 - S. 低電量符號
 - T. 壓脈帶著裝確認燈
 - U. 脈搏符號
 - 測量中會閃爍。
 - V. 日期/時間顯示
 - W. 身體晃動警示
 - X. 血壓值範圍
 - Y. 排氣中
 - Z. 脈搏數顯示與記憶編號

精巧的 OMRON HEM-7130 全自動血壓計以示波震盪法為運作原理，能夠簡單快速地測量血壓與脈搏。本血壓計運用先進的「IntelliSense」技術控制加壓，讓使用時更加舒適，無需預設壓力或重新加壓。

用途

- 本產品之設計係讓適用壓脈帶規格的使用者，依照使用說明書之指示測量血壓及脈搏
- 本產品主要供一般住家使用。使用血壓計前，請務必閱讀使用說明書的重要安全須知。

請確實遵守本說明指示手冊。
請保存以供未來參考之用。
如需個人血壓的詳細資訊，請諮詢醫師。

2. 準備作業

2.1 安裝/更換電池

1. 拆下電池蓋。
 2. 依照圖示將四顆 3 號電池插入電池室，隨後裝回電池蓋。
-

- 注意：
- 若顯示部出現低電量符號 ()，請關閉血壓計電源，並一一更換所有電池。
 - 即便更換電池，記憶體所儲存的測量值仍會存在。
 - 本產品隨附電池的使用壽命可能較短。
 - 於棄置本裝置、元件及選購配件時，必須遵循各地適用之法規。非法棄置可能會造成環境污染。

2.2 設定日期與時間

1. 按下 **C** 鍵。
 2. 初次進行測量之前，請正確設定血壓計的日期與時間。
-

3. 按下測量/停止鍵以儲存設定。
- 注意：
- 更換電池後需重設日期與時間設定。
 - 若未設定日期與時間，則測量時或測量後會顯示「-.-。」。

3. 使用血壓計

3.1 捲繞壓脈帶

請脫去上臂的緊身衣物或捲起衣袖。請勿將壓脈帶捲繞於厚重衣物。

1. 將進氣接頭牢牢地插入進氣插孔。
-

2. 將手穿過壓脈帶環。



壓脈帶的底邊應高於手腕 1 到 2 cm。標記 (空氣管下的箭頭) 空氣管應置於中於內臂中央。



注意：

- 測量右臂的血壓時，空氣管將位於手腕側。請避免手腕壓住空氣管。

● 左右手的血壓可能會有所差異，因此，測得的血壓值也可能不同。OMRON 建議您固定以同一支手進行測量。如果左右手的測量值出現極大差異，請向醫師確認應使用哪一支手來測量血壓。

3.2 正確坐姿

測量時請放鬆並保持舒適坐姿，室內應維持舒適溫度。在進行測量的 30 分鐘之前，請避免沐浴、飲酒或咖啡、抽煙、運動或進食。也請避免在緊張時進行測量。壓力或緊張會使血壓升高。

● 請不要交叉您的雙腳，將雙腳平置於地板上的姿勢坐在椅子上。

● 請坐直背部坐好。

● 請以適當支撐背部及手部的姿勢就坐。

● 手臂袖套應放置在與您的心臟同高度的手臂處。

3.3 取得血壓數值

注意：

- 若要取消測量，請按測量/停止鍵放回壓脈帶內的空氣。
- 測量過程中請保持身體靜止。

3.4 按壓測量/停止鍵

1. 按下測量/停止鍵。壓脈帶會開始自動加壓。



如果收縮壓超過 210 mmHg

請在壓脈帶開始加壓後按下測量/停止鍵，直到壓力比預估的收縮壓高出 30 ~ 40 mmHg 後再放開。

注意：

- 血壓計不會加壓超過 299 mmHg。
- 請勿過度加壓。

▲ 請務必諮詢醫師，自行判斷測量結果或自行治療均屬於危險行為。

壓脈帶著裝確認燈符號：

若壓脈帶著裝確認燈 () 亮起綠色，代表已正確地將壓脈帶繫繞於手臂。若確認燈未亮起，代表未正確捲繞壓脈帶，數值將不可靠。請務必以正確方式重新捲繞壓脈帶，並再次測量血壓。

2. 取下壓脈帶。

3. 按下測量/停止鍵以關閉電源。

血壓計會自動將測量值儲存於記憶體，並在 2 分鐘後自動關機。

重要事項：

- 最新研究建議在家測量時，可採用下列數值作為是否有高血壓之參考。

收縮壓	135 mmHg 以上
舒張壓	85 mmHg 以上

此標準適用於居家血壓測量。

● 本血壓計具有偵測不規則脈波之功能。不規則脈波可能會影響測量結果。不規則脈波演算法會自動判斷測量結果是否可用，並判定是否需重複執行測量。如果測量不受不規則脈波影響但仍屬於有效結果，則不規則脈波警示 () 會與測量結果一併顯示。若不規則脈波造成測量結果無效，便不會顯示任何結果。如果測量完畢後出現不規則脈波警示 ()，請重複測量。如果不規則脈波警示 () 頻繁出現，請將此情況告知醫師。

● 若測量時晃動身體，顯示部會顯示身體晃動警示 ()。請保持身體靜止並重複測量。

使用賓客模式

血壓計會將單一使用者的測量值儲存於記憶體。使用賓客模式可測得其他使用者的單組測量值。選擇賓客模式時，記憶體不會儲存任何測量值。

1. 按住測量/停止鍵至少 3 秒。

日期/時間顯示隨即消失。

2. 關閉日期/時間顯示後，放開測量/停止鍵。
- 壓脈帶會開始自動加壓。

3.4 使用記憶功能

血壓計會自動儲存測量結果，最多可儲存 60 組。此外，血壓計也能依據近 10 分鐘內取得的三組數值來計算平均數值。如果該段時間內記憶體只儲存了兩組數值，平均值便會以此兩組數值為依據；若只有一組數值，平均值就會以該組數值為依據。

注意：

- 若記憶體已滿，則血壓計會刪除最舊的數值。
- 若檢視未設定日期與時間時所測得的數值，則時間與日期會顯示為「-.-。」。

檢視記憶體儲存之數值

1. 按下 **Q** 鍵。
- 記憶編號會先出現一秒，隨後再顯示脈搏。最新一組記憶的編號為「1」。

注意：顯示部會顯示壓脈帶著裝確認燈以及測量值。檢視數值時，壓脈帶著裝確認燈不會亮起。

2. 按 **◀** 或 **▶** 鍵以檢視記憶體儲存之數值。
- ◀：移至較舊的數值
▶：移至較新的數值

檢視平均值

1. 按住 **Q** 鍵至少 3 秒。

注意：

- 若測得前次數值時未設定日期與時間，該數值就不會納入平均值計算。
- 如果記憶體中無任何測量結果，便會顯示右圖之畫面。

刪除記憶體儲存之所有數值

出現測量紀錄 () 時，請先按住記憶鍵，隨後再同時按住測量/停止鍵至少 3 秒。

注意：無法個別刪除記憶體儲存的數值。

4. 疑難解答與維護

4.1 錯誤訊息

錯誤顯示	原因	應變處理
	偵測到不規則脈波。	取下壓脈帶。靜待 2 ~ 3 分鐘後再次測量血壓。請重複第 3.3 節所述步驟。若持續出現此錯誤，請聯絡醫師。
	測量時身體晃動。	請詳閱並重複第 3.3 節所述步驟。
	電量不足。	應時更換新的電池。請參閱第 2.1 節。
	電量耗盡。	應立即更換新的電池。請參閱第 2.1 節。
E1	未接上進氣插頭。	將接頭穩固插入。請參閱第 3.1 節。
	未正確捲好壓脈帶。 壓脈帶出現漏氣問題。	以正確方式捲繞壓脈帶。請參閱第 3.1 節。 更換新的壓脈帶。請參閱第 5 章。
E2	測量時身體晃動以及壓脈帶加壓不足。	重複測量。測量時請勿晃動身體或交談。請參閱第 3.3 節。 若不斷出現「E2」，請手动加壓壓脈帶，使壓力比前次測量結果高出 30 ~ 40 mmHg。請參閱第 3.3 節。
	衣物對壓脈帶形成阻礙。	取下對壓脈帶形成阻礙的衣物。請參閱第 3.1 節。
E3	手动加壓時壓脈帶壓力超過 299 mmHg。	請勿將壓脈帶加壓超過 299 mmHg。請參閱第 3.3 節。
E4	測量時身體晃動。	重複測量。測量時請勿晃動身體或交談。請參閱第 3.3 節。
E5	衣物對壓脈帶形成阻礙。	取下對壓脈帶形成阻礙的衣物。請參閱第 3.1 節。
Er	裝置錯誤。	請洽當地 OMRON 客服中心。

4.2 疑難解答

問題	原因	應變處理
數值極低 (或極高)。	未正確捲好壓脈帶。	以正確方式捲繞壓脈帶。請參閱第 3.1 節。
	測量時身體晃動或交談。 衣物對壓脈帶形成阻礙。	測量時請勿晃動身體或交談。請參閱第 3.3 節。 取下對壓脈帶形成阻礙的衣物。請參閱第 3.1 節。
壓脈帶並未加壓。	空氣管未穩固連接至主機。	確實將空氣管穩固接上。請參閱第 3.1 節。
	壓脈帶出現漏氣問題。	更換新的壓脈帶。請參閱第 5 章。
壓脈帶著裝確認燈未亮起。 壓脈帶減壓時機過早。	壓脈帶未繫繞於手腕。	以正確方式將壓脈帶繫繞於手腕。請參閱第 3.1 節。
	無法測量或數值過低/過高。	加壓壓脈帶，使壓力比前次測量結果高出 30 ~ 40 mmHg。請參閱第 3.3 節。
按下按键時無任何反應。	電量耗盡。	請更換新的電池。請參閱第 2.1 節。
	未正確插入電池。	插入電池時請確保極性位置 (+/-) 正確無誤。請參閱第 2.1 節。
其他問題。	按下測量/停止鍵並重複測量。 若問題持續發生，請嘗試更換新的電池。若此作法依然無法解決問題，請洽當地 OMRON 客服中心。	● 按壓測量/停止鍵並重複測量。 ● 若問題持續發生，請嘗試更換新的電池。 ● 若此作法依然無法解決問題，請洽當地 OMRON 客服中心。

4.3 維護

- 為避免血壓計受損，請遵守下列規定：
- 請勿將主機與壓脈帶放置於極高溫、極低溫、溼氣重或陽光直射處。
 - 請勿用力彎折壓脈帶或空氣管。
 - 請勿拆解主機。
 - 請勿重擊或震動主機 (例如主機掉落到地面)。
 - 請勿使用揮發性液體清潔主機。
 - 請勿用清水清洗壓脈帶，亦不可將其沾溼。
 - 請勿使用汽油、稀釋劑或類似溶劑清潔壓脈帶。
 - 請勿自行進行任何維修。若發生故障，請洽當地 OMRON 客服中心。



- 應以乾燥的軟布清潔主機。
- 請使用沾濕的軟布與中性肥皂清潔壓脈帶。

注意：如欲棄置本產品與任何使用過的配件或選購配件，請詳閱並遵照〈技術資料〉一節中的「正確棄置本產品」。

校正與維修

- 本血壓計之正確性經過詳細測試，可長期使用。
- 一般建議每兩年檢測一次，以確保功能運作正常與準確度。請洽當地 OMRON 客服中心。

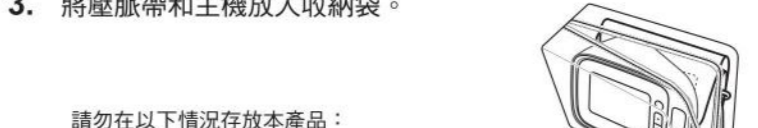
4.4 存放

- 不使用主機時，請將主機妥善存放於收納袋中。
- 請將本裝置和元件放置在乾淨、安全的位置。

1. 將進氣接頭從進氣插孔拔出。

2. 輕輕彎折壓脈帶空氣管，並將其放入壓脈帶中。

注意：請勿過度彎折壓脈帶空氣管。



3. 將壓脈帶和主機放入收納袋。

5. 選購配件

- | | | |
|--|---|---|
| 小壓脈帶
Small Cuff
HEM-CS24
臂圍 17 ~ 22 cm | 中壓脈帶
Medium Cuff
HEM-CR24
臂圍 22 ~ 32 cm | 大壓脈帶
Wide Range Soft Cuff
HEM-RML31
臂圍 22 ~ 42 cm |
|--|---|---|

AC 變壓器 S



- 注意：
1. 若您於台灣地區，請使用變壓器 [E0110HW5SW]；若您於韓國地區，請使用變壓器 [E06V0ASW-KA]。
 2. 若您有需求，請與您當地的歐姆龍經銷商連絡，購買合適的選購配件。

使用選購的 AC 變壓器

1. 將 AC 變壓器的插頭插入主機後側的 AC 變壓器插孔。

2. 將 AC 變壓器插入電源插座。

若要拔下 AC 變壓器，請先從電源插座拔下 AC 變壓器，再從主機拔下 AC 變壓器插頭。

6. 技術資料

產品描述 型號 顯示部 測量方法 測量範圍	自動血壓計 HEM-7130 LCD 數位顯示器 示波震盪法 壓力：0 ~ 299 mmHg 脈搏：40 ~ 180 次/分鐘
測量精確度	壓力：顯示部數值的 ±4% 電動泵浦式機械邏輯控制 自動減壓閥
加壓方式 減壓方式 記憶體 IP 分類 額定值 電源	60 組測量值 (附日期時間) IP 20 DC6V 4W 4 顆 1.5V 3 號電池 或 AC 變壓器 (選購，輸入：AC100-240V 50/60Hz 0.12A)
電池壽命	約可進行 1000 次測量 (使用全新鹼性電池) 主機組：5 年 袖套：1 年 (一天使用 6 次時)
耐用期間	
適用部位	= BF 型
防觸電保護	內部電源 ME 設備 (僅使用電池時) = 二級 ME 設備 (選購的 AC 變壓器)
操作溫度/溼度 存放溫度/溼度/氣壓 主重量 壓脈帶重量 外部尺寸 壓脈帶尺寸	+10 ~ +40°C / 30 ~ 85% RH / 700 ~ 1060 hPa -20 ~ +60°C / 10 ~ 95% RH / 700 ~ 1060 hPa 約 280g (不含電池) 約 130g 約 107 (寬) mm × 79 (高) mm × 141 (長) mm 約 145 mm × 466 mm (壓脈帶：臂圍 22 ~ 32 cm)
壓脈帶/空氣管材質 包裝內容	尼龍、聚酯、聚氨乙醯 主機、壓脈帶、使用說明書、電磁相容性測試 (EMC 資訊)、電池組、收納袋

注意：規格如有修改，恕不另行通知。

- 本裝置已依據 ISO 81060-2:2013 的規定進行臨床調查。
- IP 分類是機箱依據 IEC 60529 所能提供的保護程度。本裝置可保護避免直徑大於 12mm (例如手指或更大) 之異物插入設備內。

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- 血壓計符合 EC 指令 93/42/EEC (醫療器材指令) 之規定。
- 血壓計之設計符合歐洲標準 EN1060 非侵入式血壓計第一類；部：一般規定以及第 3 部：機械式血壓測量系統的補充規定。
- OMRON 產品係在 OMRON HEALTHCARE Co., Ltd., Japan 嚴格的品質管理制度之下製造而成。OMRON 血壓計的核心組件「壓力感測器」於日本生產。

正確棄置本產品 (廢棄電氣與電子設備)

若產品外觀或圖示出現此標誌，表示該產品使用壽命結束時，不可與其他廢棄物一同丟棄。為了避免隨意丟棄廢棄物對環境與人體健康造成傷害，請將本產品與其他類型廢棄物分開，並徹底做好回收工作，才能推動物質資源的永續再利用。

家庭用戶應與購入本產品之零售商或當地政府辦公室聯繫，取得環保回收本產品之詳細地點與方法。
企業用戶應與供應商聯繫，並且檢查採購合約的條款與條件。請勿將本產品與其他事業廢棄物混合丟棄。

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