

## Instruction Manual

OMRON  
5653098-BF

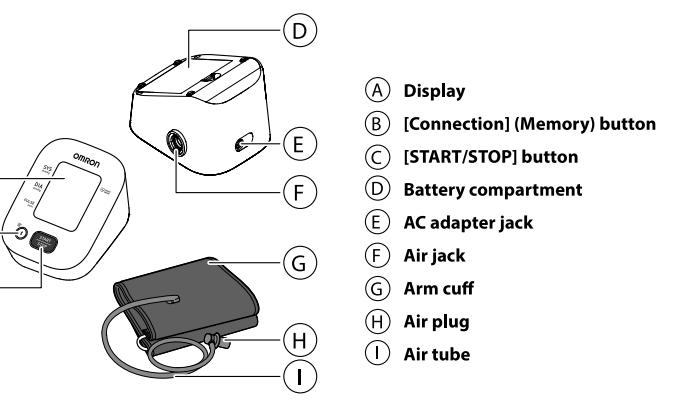
Automatic Blood Pressure Monitor

Model HEM-7143T1

English

**Read Instruction manual ① and ② before use.**  
For symbol information, refer to "Symbols Description" on the back side of the another "Instruction manual ①".

All for Healthcare



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## Introduction

Thank you for purchasing the OMRON Automatic Blood Pressure Monitor. This blood pressure monitor uses the oscillometric method of blood pressure measurement. This means this monitor detects your blood pressure by measuring the blood flow 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 safe and proper use of this monitor, READ AND UNDERSTAND all of the instructions. If you do not understand any of the 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

This device is a medical monitor intended for use in measuring blood pressure in the adult patient population. This monitor detects the appearance of irregular heartbeats during measurement and indicates this via a symbol with measurement result. It is mainly designed for general household use.

## Receiving and Inspection

Remove this monitor from the packaging and inspect for damage. If this monitor 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 to prevent damage to this monitor.

Keep for future reference. For specific information about your own blood pressure, CONSULT WITH YOUR PHYSICIAN.

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

**DO NOT** use this monitor on infants, toddlers, children or persons who cannot express themselves.

**DO NOT** adjust medication based on results from this blood pressure monitor without consulting with your physician.

Only a physician is qualified to diagnose and treat high blood pressure.

**DO NOT** use this monitor on an injured arm or an arm under medical treatment.

**DO NOT** apply the air tube to your arm while on an intravenous drip or blood transfusion.

**DO NOT** use this monitor in areas containing high frequency (HF) surgical equipment, magnetic resonance imaging (MRI) or other magnetic fields. 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 gases.

**DO NOT** use this monitor in your physician before consulting with your physician.

If you have coronary artery disease, hypertension or ventricular premature beats or atrial fibrillation; arterial sclerosis; poor peripheral circulation; pregnancy; pre-eclampsia or renal disease; NOTE that this monitor is not suitable in relation to patient motion, trembling, or shivering.

**DO NOT** check batteries to ensure they are in good working condition.

**General Precautions**

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



**2. Maintenance**

**2.1 Maintenance**  
To protect your monitor from damage, follow the directions below:

- Changes or modifications not approved by the manufacturer will void the user warranty.

**⚠ Caution**  
**DO NOT** disassemble or attempt to repair this monitor or other components. This may cause an inaccurate reading.

**2.2 Storage**  
Keep your monitor in the storage case when not in use.

**1. Error Messages and Troubleshooting**

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

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

**Step 1** Stop using this monitor or have your physician consult with you if you experience skin irritation or discomfort.

**Step 2** Consult with your physician before using this monitor on an area where there is a vascular access of therapy, or an arteriovenous (AV) fistula. This is important to prevent any temporary interference to blood flow and may result in injury.

**Step 3** Consult with your physician before using this monitor if you have severe skin problems or blood disorders.

**Step 4** Consult with your physician before using this monitor if you have severe heart problems or blood disorders as cuff inflation can cause chest pain.

**Step 5** Do NOT use this monitor with other medical electrical (ME) equipment simultaneously. This may result in incorrect operation of the monitor. Please refer to section 8 of instruction manual (②) for more details.

**Step 6** Avoid bathing, drinking alcohol or caffeine, smoking, exercising and eating for at least 30 minutes before taking a measurement.

**Step 7** Do NOT drop or subject this monitor to strong shocks or vibrations.

**Step 8** Do NOT leave this monitor in places with high or low humidity or high or low temperature. Refer to section 3.

**Step 9** During a measurement, observe the arm cuff to ensure that the monitor does not become prolonged or impaired to blood circulation.

**Step 10** Do NOT use this monitor in harsh environments such as medical clinics or physician offices.

**Step 11** Do NOT use this monitor with other medical electrical (ME) equipment simultaneously. This may result in incorrect operation of the monitor. Please refer to section 8 of instruction manual (②) for more details.

**Step 12** Avoid bathing, drinking alcohol or caffeine, smoking, exercising and eating for at least 30 minutes before taking a measurement.

**Step 13** Rest for at least 15 minutes before taking a measurement.

**Step 14** Take off tight clothing or thick clothing from your arm while taking a measurement.

**Step 15** Remain still and DO NOT walk while taking a measurement.

**Step 16** Ensure that this monitor is accustomed to room temperature before taking a measurement. This monitor reacts to an extreme temperature change which can lead to an inaccurate reading. OMRON recommends waiting for approximately 2 hours after the monitor has been exposed to a temperature different than the ambient room temperature. For additional information on operating and storage/transport temperature, refer to section 3.

**Step 17** Do NOT store this monitor if it is stored either at the maximum or minimum storage temperature. For additional information on operating and storage/transport temperature, refer to section 3.

Blood pressure may differ between the right and left arm, and may result in a different measurement value. Always use the arm with the best reading.

**Step 18** When using an optional AC adapter, make sure not to plug and unplug the AC adapter while the monitor is in use.

**Step 19** Take a measurement, press the START/STOP button while holding the AC adapter cable.

**Step 20** A measurement error may occur if the AC adapter is not connected correctly.

**Step 21** Do NOT use this monitor in a multi-split system.

**Step 22** Do NOT plug in or plug up the AC adapter from the electric outlet.

**Step 23** Do NOT disassemble or attempt to repair the AC adapter.

**Battery Handling and Usage**

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

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**Step 13** Do NOT leave this monitor in places with high or low humidity or high or low temperature. Refer to section 3.

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**Step 28** Avoid bathing, drinking alcohol or caffeine, smoking, exercising and eating for at least 30 minutes before taking a measurement.

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