

OMRON

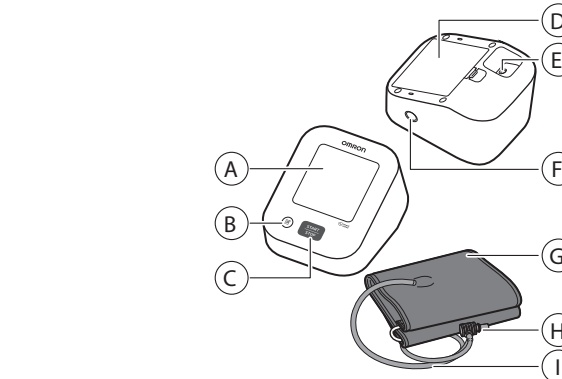
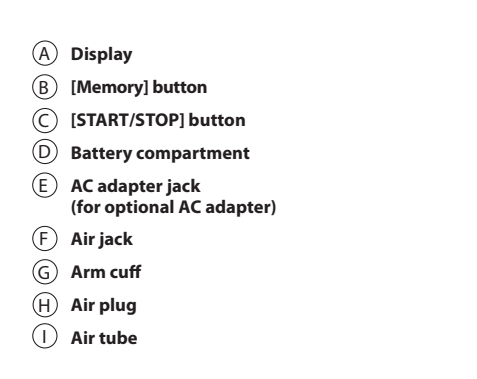
Automatic Upper Arm Blood Pressure Monitor

M2+ (HEM-7188-E) M2 Essential (HEM-7188-E)

English

Instruction Manual 1: Safety and Other Information

For symbols information, refer to "Symbols Description" section.



Introduction

Thank you for purchasing the OMRON Automatic Upper Arm Blood Pressure Monitor. This blood pressure monitor uses the oscillometric method of blood pressure measurement. This means this monitor detects pulse wave 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 Upper Arm Blood Pressure Monitor. To ensure the safety 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 OMRON retail outlet or distributor before attempting to use this monitor.** For specific information about your own blood pressure, consult with your physician.

Intended Use

This device is a digital monitor intended for use in measuring blood pressure and pulse rate in adult patient population. The device detects the appearance of irregular heartbeats during measurement and indicates this via a symbol with the measurement result.

Intended Patients

Adult patient population
Adult patient population may include patients (themselves) who can understand this instruction manual.

Clinical Benefit

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

Type of Use

This monitor is intended to be multiple patient multiple use.

Limitation

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

Indication

Indicated 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 this monitor. Consult with your OMRON retail outlet or distributor.

Important Safety Information

Read the Important Safety Information in this instruction manual before using this monitor. Follow this information thoroughly for your safety.

Do not cut off the power supply. 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 treatment.
- 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 blood pressure is 210 mmHg" in the end of instruction manual for 2 additional information.

When using this monitor, consult with your physician if you experience skin irritation or discomfort.

Battery Handling and Usage

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

The supplied batteries may have a shorter life span than new batteries.

Replacing batteries will not delete previous readings.

Warning

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

DO NOT add 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 related conditions.

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 physician.

DO NOT use this monitor to regulate chronic or physician visits based on the results that you are getting from this monitor.

DO NOT use this monitor for medical diagnosis (e.g., echocardiography (HF) surgical equipment, magnetic resonance imaging (MRI) equipment, computerized tomography (CT) scanners). This monitor is not intended for operation in a clinical or hospital setting.

DO NOT use this monitor in oxygen rich environments or near flammable gas.

Consult with your physician before using this monitor if you have common arrhythmias such as atrial or ventricular premature beats or atrial fibrillation, atrial sclerosis, poor perfusion, diabetes, pregnancy, pre-eclampsia or renal disease. NOTE that any of these conditions in addition to patient movement, trembling, or shivering may affect the measurement.

To help avoid strangulation, keep the air tube and AC adapter cable away from infants, toddlers and children.

This product contains small parts that can cause a choking hazard if swallowed by infants, toddlers and children.

AC Adapter (optional accessory) Handling and Usage

When using the AC adapter if the 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 plug in a multi-outlet plug.

NEVER plug in or unplug the AC adapter from the electrical outlet with wet hands.

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.

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

Consult with your physician before using this monitor on an arm where intravascular access or therapy, or an arterio-venous (A-V) shunt, is present because of temporary interference to blood flow could result in injury.

Consult with your physician before using this monitor if you have had a mastectomy or lymph node dissection.

Consult with your physician before using this monitor if you have severe blood flow problems or blood disorders such as cuff inflation can cause bruising.

DO NOT use this monitor for any purpose other than measuring blood pressure.

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 components. This may cause an electric shock or fire.

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 shock or vibrations.

DO NOT use this monitor in places with high or low humidity or very hot or low temperatures. Refer to the instruction manual.

During measurement, observe the arm to ensure that the monitor is not causing prolonged impairment to blood circulation.

DO NOT use this monitor with other medical electrical (ME) equipment simultaneously. This may result in incorrect operation of the device and/or cause an inaccurate reading.

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

Rest for at least 5 minutes before taking a measurement.

Remove tight-fitting or tight clothing from your arm while taking a measurement.

Remain still and DO NOT talk while taking a measurement.

Display/Problem	Possible Cause	Solution
	The pulse rate is not detected correctly.	Apply the arm cuff correctly, then take another measurement. Refer to section 4 of instruction manual 2. Remove the cuff and sit correctly during a measurement. If the irregular heartbeat symbol
	does not flash during a measurement.	continues to appear, it is recommended that you consult with your physician.
	Batteries are low.	Replacing all 4 batteries with new ones. Refer to section 3 of instruction manual 2.
	Batteries are unexpectedly drained.	Immediately replace all 4 batteries with new ones. Refer to section 3 of instruction manual 2.
	Nothing appears on the display of the monitor.	Check the battery installation for proper installation. Refer to section 3 of instruction manual 2.
	Battery polarity is not properly aligned.	Blood pressure varies constantly. Many factors (such as stress, time of day, and/or how you apply the arm cuff, may affect your blood pressure. Review sections 2, 4 and 5 of instruction manual 2.
	Readings appear too high or too low.	Press the [START/STOP] button to turn the monitor off, then press it again to take a measurement. If the problem continues, the proper construction, use, and handling of the device and/or how you apply the arm cuff, may affect your blood pressure. Review sections 2, 4 and 5 of instruction manual 2.
	Any other problem occurs.	Check the battery installation for proper installation. Refer to section 3 of instruction manual 2.

Display/Problem	Possible Cause	Solution
	Nothing appears on the display of the monitor.	Check the battery installation for proper installation. Refer to section 3 of instruction manual 2.
	Battery polarity is not properly aligned.	Blood pressure varies constantly. Many factors (such as stress, time of day, and/or how you apply the arm cuff, may affect your blood pressure. Review sections 2, 4 and 5 of instruction manual 2.
	Readings appear too high or too low.	Press the [START/STOP] button to turn the monitor off, then press it again to take a measurement. If the problem continues, the proper construction, use, and handling of the device and/or how you apply the arm cuff, may affect your blood pressure. Review sections 2, 4 and 5 of instruction manual 2.
	Any other problem occurs.	Check the battery installation for proper installation. Refer to section 3 of instruction manual 2.

2 Limited Warranty

Thank you for buying an OMRON product. This product is constructed of high quality materials and great care has been taken in its manufacturing. It is designed to give you a high level of comfort, provided that it is properly operated and maintained as described in this instruction manual.

This product is warranted by OMRON for a period of 5 years after the date of purchase. The warranty does not cover the following:

A. Transport costs and risks of transport.

B. Costs for repairs and / or defects resulting from repairs done by third parties.

C. Periodic check-ups and maintenance.

D. Failure or wear of optional parts or other attachments other than the main device itself, unless explicitly stated in the warranty.

E. Costs arising due to non-acceptance of a claim (those will be charged for).

F. Damages of any kind including personal caused accidentally or from misuse.

G. Calibration service is not included within the warranty.

H. Optional parts have a one (1) year warranty from date of purchase. Optional parts include, but are not limited to the following items: cuff and cuff tube.

I. The warranty does not cover the following:

A. Transport costs and risks of transport.

B. Costs for repairs and / or defects resulting from repairs done by third parties.

C. Periodic check-ups and maintenance.

D. Failure or wear of optional parts or other attachments other than the main device itself, unless explicitly stated in the warranty.

E. Costs arising due to non-acceptance of a claim (those will be charged for).

F. Damages of any kind including personal caused accidentally or from misuse.

G. Calibration service is not included within the warranty.

H. Optional parts have a one (1) year warranty from date of purchase. Optional parts include, but are not limited to the following items: cuff and cuff tube.

I. The warranty does not cover the following:

A. Transport costs and risks of transport.

B. Costs for repairs and / or defects resulting from repairs done by third parties.

C. Periodic check-ups and maintenance.

D. Failure or wear of optional parts or other attachments other than the main device itself, unless explicitly stated in the warranty.

E. Costs arising due to non-acceptance of a claim (those will be charged for).

F. Damages of any kind including personal caused accidentally or from misuse.

G. Calibration service is not included within the warranty.

H. Optional parts have a one (1) year warranty from date of purchase. Optional parts include, but are not limited to the following items: cuff and cuff tube.

I. The warranty does not cover the following:

A. Transport costs and risks of transport.

B. Costs for repairs and / or defects resulting from repairs done by third parties.

C. Periodic check-ups and maintenance.

D. Failure or wear of optional parts or other attachments other than the main device itself, unless explicitly stated in the warranty.

E. Costs arising due to non-acceptance of a claim (those will be charged for).

F. Damages of any kind including personal caused accidentally or from misuse.

G. Calibration service is not included within the warranty.

H. Optional parts have a one (1) year warranty from date of purchase. Optional parts include, but are not limited to the following items: cuff and cuff tube.

I. The warranty does not cover the following:

A. Transport costs and risks of transport.

B. Costs for repairs and / or defects resulting from repairs done by third parties.

C. Periodic check-ups and maintenance.

D. Failure or wear of optional parts or other attachments other than the main device itself, unless explicitly stated in the warranty.

E. Costs arising due to non-acceptance of a claim (those will be charged for).

F. Damages of any kind including personal caused accidentally or from misuse.

G. Calibration service is not included within the warranty.

H. Optional parts have a one (1) year warranty from date of purchase. Optional parts include, but are not limited to the following items: cuff and cuff tube.

I. The warranty does not cover the following:

A. Transport costs and risks of transport.

B. Costs for repairs and / or defects resulting from repairs done by third parties.

C. Periodic check-ups and maintenance.

D. Failure or wear of optional parts or other attachments other than the main device itself, unless explicitly stated in the warranty.

E. Costs arising due to non-acceptance of a claim (those will be charged for).

F. Damages of any kind including personal caused accidentally or from misuse.

G. Calibration service is not included within the warranty.

H. Optional parts have a one (1) year warranty from date of purchase. Optional parts include, but are not limited to the following items: cuff and cuff tube.

I. The warranty does not cover the following:

A. Transport costs and risks of transport.

B. Costs for repairs and / or defects resulting from repairs done by third parties.

C. Periodic check-ups and maintenance.

D. Failure or wear of optional parts or other attachments other than the main device itself, unless explicitly stated in the warranty.

E. Costs arising due to non-acceptance of a claim (those will be charged for).

F. Damages of any kind including personal caused accidentally or from misuse.

G. Calibration service is not included within the warranty.

H. Optional parts have a one (1) year warranty from date of purchase. Optional parts include, but are not limited to the following items: cuff and cuff tube.

I. The warranty does not cover the following:

A. Transport costs and risks of transport.

B. Costs for repairs and / or defects resulting from repairs done by third parties.

C. Periodic check-ups and maintenance.

D. Failure or wear of optional parts or other attachments other than the main device itself, unless explicitly stated in the warranty.

E. Costs arising due to non-acceptance of a claim (those will be charged for).

F. Damages of any kind including personal caused accidentally or from misuse.

G. Calibration service is not included within the warranty.

H. Optional parts have a one (1) year warranty from date of purchase. Optional parts include, but are not limited to the following items: cuff and cuff tube.

I. The warranty does not cover the following:

A. Transport costs and risks of transport.

B. Costs for repairs and / or defects resulting from repairs done by third parties.

C. Periodic check-ups and maintenance.

D. Failure or wear of optional parts or other attachments other than the main device itself, unless explicitly stated in the warranty.

E. Costs arising due to non-acceptance of a claim (those will be charged for).

F. Damages of any kind including personal caused accidentally or from misuse.

G. Calibration service is not included within the warranty.

H. Optional parts have a one (1) year warranty from date of purchase. Optional parts include, but are not limited to the following items: cuff and cuff tube.

I. The warranty does not cover the following:

A. Transport costs and risks of transport.

B. Costs for repairs and / or defects resulting from repairs done by third parties.

C. Periodic check-ups and maintenance.

D. Failure or wear of optional parts or other attachments other than the main device itself, unless explicitly stated in the warranty.

E. Costs arising due to non-acceptance of a claim (those will be charged for).

F. Damages of any kind including personal caused accidentally or from misuse.

G. Calibration service is not included within the warranty.

H. Optional parts have a one (1) year warranty from date of purchase. Optional parts include, but are not limited to the following items: cuff and cuff tube.

I. The warranty does not cover the following:

A. Transport costs and risks of transport.

B. Costs for repairs and / or defects resulting from repairs done by third parties.

C. Periodic check-ups and maintenance.

D. Failure or wear of optional parts or other attachments other than the main device itself, unless explicitly stated in the warranty.

E. Costs arising due to non-acceptance of a claim (those will be charged for).

F. Damages of any kind including personal caused accidentally or from misuse.

G. Calibration service is not included within the warranty.

H. Optional parts have a one (1) year warranty from date of purchase. Optional parts include, but are not limited to the following items: cuff and cuff tube.

I. The warranty does not cover the following:

A. Transport costs and risks of transport.

B. Costs for repairs and / or defects resulting from repairs done by third parties.

C. Periodic check-ups and maintenance.

D. Failure or wear of optional parts or other attachments other than the main device itself, unless explicitly stated in the warranty.

E. Costs arising due to non-acceptance of a claim (those will be charged for).

F. Damages of any kind including personal caused accidentally or from misuse.

G. Calibration service is not included within the warranty.

H. Optional parts have a one (1) year warranty from date of purchase. Optional parts include, but are not limited to the following items: cuff and cuff tube.

I. The warranty does not cover the following:

A. Transport costs and risks of transport.

B. Costs for repairs and / or defects resulting from repairs done by third parties.

C. Periodic check-ups and maintenance.

D. Failure or wear of optional parts or other attachments other than the main device itself, unless explicitly stated in the warranty.

E. Costs arising due to non-acceptance of a claim (those will be charged for).

F. Damages of any kind including personal caused accidentally or from misuse.

G. Calibration service is not included within the warranty.

H. Optional parts have a one (1) year warranty from date of purchase. Optional parts include, but are not limited to the following items: cuff and cuff tube.

I. The warranty does not cover the following:

A. Transport costs and risks of transport.

B. Costs for repairs and / or defects resulting from repairs done by third parties.

C. Periodic check-ups and maintenance.

D. Failure or wear of optional parts or other attachments other than the main device itself, unless explicitly stated in the warranty.

E. Costs arising due to non-acceptance of a claim (those will be charged for).

F. Damages of any kind including personal caused accidentally or from misuse.

G. Calibration service is not included within the warranty.

H. Optional parts have a one (1) year warranty from date of purchase. Optional parts include, but are not limited to the following items: cuff and cuff tube.

I. The warranty does not cover the following:

A. Transport costs and risks of transport.

B. Costs for repairs and / or defects resulting from repairs done by third parties.

C. Periodic check-ups and maintenance.

D. Failure or wear of optional parts or other attachments other than the main device itself, unless explicitly stated in the warranty.

E. Costs arising due to non-acceptance of a claim (those will be charged for).

F. Damages of any kind including personal caused accidentally or from misuse.

G. Calibration service is not included within the warranty.

H. Optional parts have a one (1) year warranty from date of purchase. Optional parts include, but are not limited to the following items: cuff and cuff tube.

