

INSTRUCTION MANUAL



Automatic Blood Pressure Monitor with ComFit™ Cuff Model BP755



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INTRODUCTION

Thank you for purchasing Omron® BP755 IntelliSense® Automatic Blood Pressure Monitor with the ComFit™ Cuff.

Fill in for future reference.	
DATE PURCHASED:	
SERIAL NUMBER:	
Staple your purchase receipt here	

Your new digital blood pressure monitor uses the oscillometric method of blood pressure measurement. This means the monitor detects your blood's 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.

The BP755 comes with the following components:

- Monitor
- ComFit[™] Cuff
- AC Adapter
- Storage Case
- · Quick Start Guide
- Instruction Manual printed in English and Spanish

The BP755 IntelliSense® Automatic Inflation Blood Pressure Monitor is intended for home use.

SAVE THESE INSTRUCTIONS

SAFETY INFORMATION

To assure the correct use of the product, basic safety measures should always be followed including the warnings and cautions listed in this instruction manual.

SAFETY SYMBOLS USED IN THIS INSTRUCTION MANUAL		
⚠ WARNING	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.	
⚠ 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.	

OPERATING THE DEVICE

- ▲ Contact your physician for specific information about your blood pressure. Self-diagnosis and treatment using measured results may be dangerous. Follow the instructions of your physician or licensed healthcare provider.
- ⚠ The monitor is not intended to be a diagnostic device.
- ▲ If battery fluid should get in your eyes, immediately rinse with plenty of clean water. Contact a physician immediately.
- ⚠ Read all of the information in the instruction manual and any other literature in the box before operating the unit.

SAFETY INFORMATION

OPERATING THE DEVICE (continued)

- ⚠ This device is intended for use in measuring blood pressure and pulse rate in the adult population. Do not use this device on infants or persons who cannot express their intentions.
- ⚠ Read the Special Conditions section (page 24) of the instruction manual if your systolic pressure is known to be more than 220 mmHg. Inflating to a higher pressure than necessary may result in bruising where the cuff is applied.
- ⚠ Operate the device only as intended. Do not use the device for any other purpose.
- ⚠ Dispose of the device, components and optional accessories according to applicable local regulations. Unlawful disposal may cause environmental pollution.
- ⚠ Do not use a cellular phone near the device. It may result in an operational failure.
- ⚠ Use only authorized parts and accessories. Parts and accessories not approved for use with the device may damage the unit.
- ⚠ Use only 1.5 V "AA" alkaline batteries with this device. Do not use other types of batteries. This may damage the unit.

RISK OF ELECTRICAL SHOCK

- ▲ Do not plug or unplug the power cord into the electrical outlet with wet hands.
- ▲ Do not overload power outlets. Plug the device into the appropriate voltage outlet.

SAFETY INFORMATION

CARE AND MAINTENANCE

- ⚠ Do not subject the monitor to strong shocks, such as dropping the unit on the floor.
- ⚠ Do not submerge the device or any of the components in water.
- ⚠ Store the device and the components in a clean, safe location.
- ⚠ Changes or modification not approved by the manufacturer will void the user warranty. Do not disassemble or attempt to repair the unit or components.

BEFORE TAKING A MEASUREMENT

To ensure a reliable reading follow these recommendations:

- Avoid eating, drinking alcohol, smoking, exercising, and bathing for 30 minutes before taking a measurement. Rest for at least 15 minutes before taking the measurement.
- 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 left arm.
- 5. Sit on a chair with your feet flat on the floor. Rest your left arm on a table so that the cuff is at the same level as your heart.
- 6. Remain still and do not talk during the measurement.
- 7. Wait 2-3 minutes between measurements. The wait time allows the arteries to return to the condition prior to taking the blood pressure measurement. You may need to increase the wait time depending on your individual physiological characteristics.
- 8. 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.

KNOW YOUR UNIT

Main Unit: Display Battery Compartment Start/Stop Button Memory Buttons Air Jack

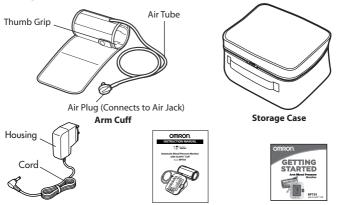
AC Adapter Jack

Quick Start Guide

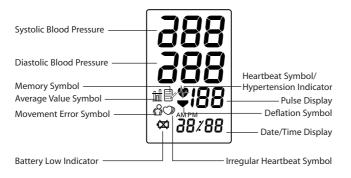
Components:

AC Adapter

Date/Time Setting Button (())



UNIT DISPLAY



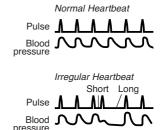
DISPLAY SYMBOLS

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 more than 25% slower or 25% faster from 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 doctor.



MOVEMENT ERROR SYMBOL ()

AVERAGE VALUE SYMBOL (in)

The Average Value Symbol (in) is displayed when you press the Memory button. The most recent average reading appears on the display screen.

DISPLAY SYMBOLS

HEARTBEAT SYMBOL/HYPERTENSION INDICATOR (*)

TAKING A MEASUREMENT

The Heartbeat Symbol () flashes on the display during the measurement. The Heartbeat Symbol () flashes at every heartbeat.

When the measurement is complete, the Heartbeat Symbol () flashes on the display with your blood pressure and pulse rate if the reading is above 135 for the Systolic Blood Pressure value and/or above 85 for the Diastolic Blood Pressure value.

USING THE MEMORY FUNCTION

The Heartbeat Symbol () flashes when the blood pressure reading stored in the memory is above 135 for the Systolic Blood Pressure value and/or above 85 for the Diastolic Blood Pressure value.

DISPLAY SYMBOLS

The American Heart Association recommends the following guideline for upper limit of normal for home blood pressure readings:

AHA Home Guideline for Upper Limit of Normal BP		
Systolic Blood Pressure	135 mmHg	
Diastolic Blood Pressure	85 mmHg	

This is a general guideline because blood pressure depends on age and morbidity. The AHA recommends a lower home blood pressure goal for certain patients, including diabetic patients, pregnant women, and patients with renal failure¹.

A WARNING

The monitor is not intended to be a diagnostic device.

A WARNING

Contact your physician for specific information about your blood pressure. Self-diagnosis and treatment using measured results may be dangerous. Follow the instructions of your physician or licensed healthcare provider.

Omron Healthcare recommends you contact your physician if the Heartbeat Symbol (*) flashes on the display with your measurement values.

¹American Heart Association Scientific Statement 2004

USING THE AC ADAPTER

IMPORTANT SAFETY INSTRUCTIONS SAVE THESE INSTRUCTIONS

- DANGER TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

- ▲ For connection to a power supply not in the U.S.A., use an attachment plug adapter of the proper configuration for the power outlet.
- ▲ The power unit (AC Adapter) is intended to be correctly oriented in a vertical or floor mount position.
- **NOTES:** Use only the authorized Omron AC Adapter that came with this monitor.
 - We recommend you install the batteries even if the AC Adapter is used. If no batteries are installed, you may need to reset the date and time if the AC Adapter is disconnected. The measurement results will not be deleted.

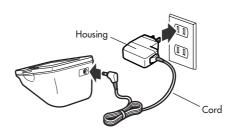
A CAUTION

Use only authorized parts and accessories. Parts and accessories not approved for use with the device may damage the unit.

USING THE AC ADAPTER

To connect the AC Adapter

- ① Insert the AC Adapter Plug into the AC Adapter Jack on the back side of the monitor as illustrated.
- ② Plug the AC Adapter into a 120V AC outlet (60 cycles).



To disconnect the AC Adapter

- ① Hold and pull the housing to remove the AC Adapter from the electrical outlet. Do not remove by pulling the cord.
- ② Remove the AC Adapter plug from the monitor.

A WARNING

Do not plug or unplug the power cord into the electrical outlet with wet hands.

A CAUTION

Do not overload power outlets. Plug the device into the appropriate voltage outlet.

BATTERY INSTALLATION

NOTE: Use 4 new "AA" size batteries - long life alkaline batteries are recommended.

 Press the ▼ indicator on the battery cover and slide the cover off in the direction of the arrow.



Install 4 "AA" size batteries so the
 + (positive) and - (negative) polarities
 match the polarities of the battery
 compartment as indicated.

NOTE: 4 "AA" size batteries are not included in this unit.



3. Replace the battery cover.

BATTERY INSTALLATION

BATTERY REPLACEMENT



Low Battery Indicator

When the Low Battery Indicator appears on the display screen, turn the monitor off and remove all the batteries. Replace with four new batteries at the same time. Long-life alkaline batteries are recommended.

⚠ WARNING

If battery fluid should get in your eyes, immediately rinse with plenty of clean water. Contact a physician immediately.

- NOTES: Turn the unit off before replacing the batteries. If the batteries are removed while the unit is still on, the date and time will be reset to that of the previous use. However, the measurement results are not deleted.
 - When the batteries are replaced, you may need to reset the date and time. If the year is flashing on the display screen, refer to "Setting the Date and Time".

⚠ CAUTION

Dispose of the device, components and optional accessories according to applicable local regulations. Unlawful disposal may cause environmental pollution.

SETTING THE DATE AND TIME

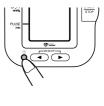
Set the monitor to the current date and time before taking a measurement for the first time. If the current date and time are not set correctly, the measurement values stored in the memory and the average values may not be correct.

1. TO START THE SETTING

Press the Date/Time Setting button (((a)) to adjust the date and time.

The year flashes on the display.





2. SETTING THE YEAR

The year can be set between 2006 and 2030.

When the display reaches 2030, it will return to 2006.

Press the Memory Up button **b** to advance by increments of one year.

Press the Date/Time Setting button (\bigcirc) to set the current year.

The month flashes on the display.

NOTES: • Press the Memory Down button to decrease the day and time values by increments of one.

 Press and hold the Memory button to increase or decrease the date and time values faster.

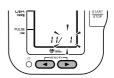
SETTING THE DATE AND TIME

3. SETTING THE MONTH

Press the Memory Up button **•** to advance by increments of one month.

Press the Date/Time Setting button ((()) to set the current month.

The day flashes on the display.



4. SETTING THE DAY

Press the Memory Up button **b** to advance by increments of one day.

Press the Date/Time Setting button (\bigcirc) to set the current day.



The hour flashes on the display.

5. SETTING THE HOUR

The time is set using AM or PM.

Press the Memory Up button **b** to advance by increments of one hour.

Press the Date/Time Setting button (🖰) to set the current hour

The minutes flash on the display.



SETTING THE DATE AND TIME

6. SETTING THE MINUTE

Press the Memory Up button **b** to advance by increments of one minute.

Press the Date/Time Setting button ((b)) to set the current minute.

The year flashes on the display.



7. TO TURN THE MONITOR OFF

Press the START/STOP button.

NOTE: The monitor will automatically turn off after the minute has been set after battery replacement.

APPLYING THE ARM CUFF

⚠ CAUTION

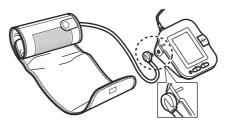
Read all of the information in the instruction manual and any other literature in the box before operating the unit.

⚠ CAUTION

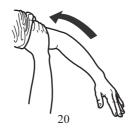
This device is intended for use in measuring blood pressure and pulse rate in the adult population. Do not use this device on infants or persons who cannot express their intentions.

APPLYING THE CUFF ON THE LEFT ARM

1. Make sure the air plug is securely inserted in the main unit.



2. Remove tight-fitting clothing from your upper arm.

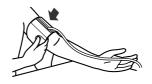


APPLYING THE ARM CUFF

3. Hold the thumb grip on the cuff securely with your hand.

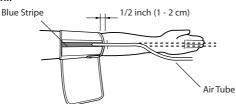


4. Turn the palm of your hand upward.



5. Apply the cuff to your left upper arm so the blue stripe is on the inside of your arm and aligned with your middle finger. The air tube runs down the inside of your arm. The bottom of the cuff should be approximately 1/2" above your elbow.

Left Arm



APPLYING THE ARM CUFF

6. Wrap the cuff firmly in place around your arm using the cloth fastening.



APPLYING THE CUFF ON THE RIGHT ARM

When taking a measurement using the right arm use this instruction for Step 5.

Apply the cuff to your right upper arm so the thumb grip is centered on the inside of your inner arm. The bottom of the cuff should be approximately 1/2" above your elbow.

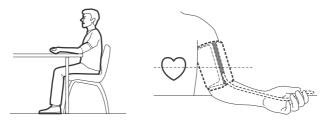


NOTE: Be careful not to rest your arm on the air tube. This will restrict the flow of air to the cuff.

TAKING A MEASUREMENT

The monitor automatically determines your ideal inflation level. In rare circumstances when a higher inflation may be necessary, the monitor automatically re-inflates the cuff up to 30mmHg higher than the initial inflation and restarts the measurement.

1. Sit on a chair with your feet flat on the floor. Place your arm on a table so the cuff is level with your heart.



TAKING A MEASUREMENT

2. Press the START/STOP button.

All display symbols appear on the screen.

The cuff starts to inflate automatically. As the cuff inflates, the monitor automatically determines your ideal inflation level.

Remain still and do not move your arm until the entire measurement process is completed.



NOTE: To stop the inflation or measurement, push the START/STOP button. The monitor will stop inflating, start deflating, and will turn off.

3. Inflation stops automatically and the measurement is started.

As the cuff deflates, decreasing numbers appear on the display and the Heartbeat Symbol (*) flashes.



TAKING A MEASUREMENT

4. When the measurement is complete, the arm cuff completely deflates. Your blood pressure and pulse rate are displayed.



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

NOTE: The monitor will automatically turn off after five minutes.



SPECIAL CONDITIONS

A CAUTION

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

If your systolic pressure is known to be more than 220 mmHg, press and hold the START/STOP button until the monitor inflates 30 to 40 mmHg higher than your expected systolic pressure.



NOTES: • Do not apply more pressure than necessary.

• The monitor will not inflate above 299 mmHg.

When the measurement is complete, the arm cuff completely deflates. Your blood pressure and pulse rate are displayed.

USING THE MEMORY FUNCTION

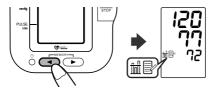
Every time you complete a measurement the monitor stores the blood pressure and pulse rate in the memory. The monitor automatically stores up to 90 sets of measurement values (blood pressure and pulse rate). When 90 sets of measurement values are stored, the oldest record is deleted to save the most recent values.

ADVANCED AVERAGING FUNCTION

The monitor calculates the average reading based on the three most recent sets of measurement values taken within 10 minutes of the most recent reading.

TO DISPLAY THE AVERAGE VALUE AND THE MEASUREMENT VALUES

NOTE: If two sets of measurement values are stored in the memory for the 10 minute period, the average is based on the two sets of measurement values. If one set of measurement value is stored, this is displayed as the average.



USING THE MEMORY FUNCTION

2. **Press the Memory Down button** to display the most recent set of measurement values on the screen.

Press the Memory Up button \rightarrow to display the oldest set of measurement values.



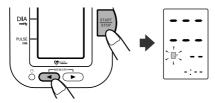
- **NOTES:** The date and time are alternately displayed with the measurement values.
 - Press the button repeatedly to display the next values.
 - Press and hold the button to display the values faster.
- 3. **Press the START/STOP button** to turn the power off.

USING THE MEMORY FUNCTION

TO DELETE ALL VALUES STORED IN THE MEMORY

You cannot partially delete values stored in the memory. All values will be deleted.

 While holding the Memory Down button , press the START/STOP button down for more than 2 seconds until the display appears as it does in the following illustration.



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

NOTE: The monitor will automatically turn off after five minutes.

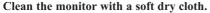
CARE AND MAINTENANCE

To keep your digital blood pressure monitor in the best condition and protect the unit from damage, follow the directions listed below:

Keep the monitor in the storage case

when not in use. Make sure the AC Adapter is placed under the main unit so that is does not damage the display.

Do not forcefully bend the arm cuff or air tube. Do not fold tightly.



Do not use any abrasive or volatile cleaners.

Do not attempt to clean the cuff.



Do not submerge the device or any of the components in water. Do not subject the monitor to extreme hot or cold temperatures, humidity or direct sunlight.

⚠ CAUTION

Store the device and the components in a clean, safe location.

⚠ CAUTION

Do not subject the monitor to strong shocks, such as dropping the unit on the floor.

Remove the batteries if the unit will not be used for three months or longer. Always replace all the batteries with new ones at the same time.

Use the unit consistent with the instruction provided in this manual.

Use only authorized parts and accessories.

CARE AND MAINTENANCE

Use the unit in a manner consistent with the instructions provided in this manual.

A CAUTION

Use only Omron authorized parts and accessories. Parts and accessories not approved for use with the device may damage the unit.

⚠ CAUTION

Changes or modification not approved by the manufacturer will void the user warranty. Do not disassemble or attempt to repair the unit or components.

ERROR INDICATORS AND TROUBLESHOOTING TIPS

SYMBOL	CAUSE	CORRECTION
Ε	Monitor could not detect pulse wave.	Take another measurement and remain still until the measurement is complete.
EE	Cuff under-inflated. Cuff not applied correctly.	Remove the arm cuff. Read "Taking a Measurement".
E	Cuff over-inflated.	Wait 2-3 minutes. Take another measurement.
ĊΧ	Batteries are worn.	Replace the four batteries. Refer to "Battery Installation".

ERROR INDICATORS AND TROUBLESHOOTING TIPS

PROBLEM	CAUSES AND SOLUTIONS
No power. No display appears on the unit.	Replace all four batteries with new ones. Check the battery installation for proper placement of the battery polarities.
Measurement values appear too high or too low.	Blood pressure varies constantly. Many factors including stress, time of day, how you wrap the cuff, may affect your blood pressure. Review the sections "Before Taking a Measurement" and "Taking a Measurement".

FCC STATEMENT

Note:

POTENTIAL FOR RADIO/TELEVISION INTERFERENCE (for U.S.A. only)

This product has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. The product generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If the product does cause harmful interference to radio or television reception, which can be determined by turning the product on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the product and the receiver.
- Connect the product into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

POTENTIAL FOR RADIO/TELEVISION INTERFERENCE (for Canada only)

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the interference-causing equipment standard entitled "Digital Apparatus", ICES-003 of the Canadian Department of Communications.

Cet appareil numérique respecte les limites de bruits radioeléctriques applicables aux appareils numériques de Clase B prescrites dans la norme sur le materiel brouilleur: "Appareils Numériques", ICES-003 édictée par le minister des communications.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

WARRANTY

LIMITED WARRANTIES

Your BP755 IntelliSense® Automatic Blood Pressure Monitor, excluding the arm cuff, is warranted to be free from defects in materials and workmanship appearing within 5 years from the date of purchase, when used in accordance with the instructions provided with the monitor. The arm cuff is warranted to be free from defects in materials and workmanship appearing within one year from the date of purchase when the monitor is used in accordance with the instructions provided with the monitor. The above warranties extend only to the original retail purchaser.

We will, at our option, repair or replace without charge any monitor or arm cuff covered by the above warranties. Repair or replacement is our only responsibility and your only remedy under the above warranties.

To obtain warranty service contact Customer Service by calling 1-800-634-4350 for the address of the repair location and the return shipping and handling fee.

Enclose the Proof of Purchase. Include a letter, with your name, address, phone number, and description of the specific problem. Pack the product carefully to prevent damage in transit. Because of possible loss in transit, we recommend insuring the product with return receipt requested.

ALL IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THE APPLICABLE WRITTEN WARRANTY ABOVE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

OMRON SHALL NOT BE LIABLE FOR LOSS OF USE OR ANY OTHER INCIDENTAL, CONSEQUENTIAL OR INDIRECT COSTS, EXPENSES OR DAMAGES. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.

FOR CUSTOMER SERVICE

Visit our web site at: www.omronhealthcare.com
Call toll free: 1-800-634-4350

SPECIFICATIONS

Model:	BP755 (HEM-7000-Z4CS)
Display:	LCD Digital Display
Measurement Range:	Pressure: 0 to 299 mmHg, Pulse: 40 to 180/min.
Accuracy/Calibration:	Pressure: ±3mmHg or 2% of reading
	Pulse: ±5% of reading
Inflation:	Automatic by electric pump
Deflation:	Automatic pressure release valve
Rapid Air Release:	Automatic exhaust valve
Pressure Detection:	Capacitive pressure sensor
Measurement Method:	Oscillometric method
Pulse Wave Detection:	Capacitance type pressure sensor
Power Source:	120V 60Hz AC Adapter (or 4 "AA" batteries)
Battery Life:	Approx. 1500 uses with 4 new alkaline batteries
Operating Temperature	50°F to 104°F (10°C to 40°C) /15 to 90% RH
/Humidity:	
Storage Temperature	-4°F to 140°F (-20°C to 60°C) /10 to 95% RH
/Humidity/Air Pressure:	700-1060 hPa
Main Unit Weight:	Approximately 12 1/2 oz. (355 g)
	not including batteries
Main Unit Dimensions:	Approx. 6 3/32" (1) x 5 5/32" (w) x 3 5/16" (h)
	(155 mm x 131 mm x 84 mm)
Cuff Size:	Approximately 6" (w)(152 mm)
	Cuff tube 23 5/8" (1) (600 mm)
Cuff Circumference:	Fits arm circumferences 9" to 17"
	(220mm to 420mm)
Memory:	Up to 90 readings
Contents:	Main Unit, ComFit [™] Cuff, AC Adapter,
	Instruction Manual, Quick Start Guide, and
	Storage Case



NOTE: These specifications are subject to change without notice.

Manufactured by OMRON HEALTHCARE Made in China

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