

INSTRUCTION MANUAL

3 series **Automatic Wrist Blood** Pressure Monitor Model BP629



INTRODUCTION

Thank you for purchasing the OMRON® BP629 IntelliSense® Automatic Wrist Blood

nre Monitor.				
	Fill in for future reference.			
	DATE PURCHASED:			
	SERIAL NUMBER:			
	 Staple your purchase receipt here Register your product on-line at www.register-omron.com 			

The monitor is compact and easy-to-use at home, at work, and during travel. Perfect for people who frequently monitor their own blood pressure 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. Clinical research has proven a direct relationship between blood pressure in the wrist and blood pressure in the arm. Changes in wrist blood pressure reflect changes in arm blood pressure because the arteries in the wrist and the arm are close to each other. Frequently measuring the blood pressure in your wrist will provide your physician with an accurate indication of changes in your blood pressure. The BP629 comes with the following components

- Monitor Storage Case 2 "AAA" Alkaline Batteries
- Instruction Manual printed in English and Spanish Quick Start Guide The BP629 IntelliSense® Automatic Wrist Blood Pressure Monitor is intended for
- Please read this instruction manual thoroughly before using the unit. Please keep for future reference. For specific information about your own blood
- pressure, CONSULT YOUR DOCTOR

SAVE THESE INSTRUCTIONS

SAFETY INFORMATION

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

SAFETY	SAFETY SYMBOLS USED IN THIS INSTRUCTION MANUAL			
▲ WARNING Indicates a potentially hazardous situation which, if not avoi 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

box before operating the unit.

- ▲ 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.
- ⚠ 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.
- ⚠ If battery fluid should get in your eyes, immediately rinse with plenty of clean water. Contact a physician immediately.
- ⚠ If you have a condition that may compromise circulation, you may get an inaccurate reading with this device. Consult your physician before using this device. ⚠ Read all of the information in the instruction manual and any other literature in the
- ⚠ 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
- \triangle 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 Omron authorized parts and accessories. Parts and accessories not
- oved for use with the device may damage the unit. ⚠ Use only 1.5 V "AAA" alkaline batteries with this device. Do not use other types of
- batteries. This may damage the unit.

CARE AND MAINTENANCE

- \triangle 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.

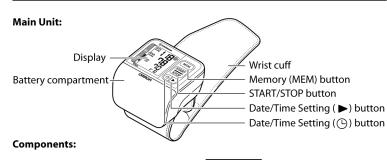
BEFORE TAKING A MEASUREMENT

- 1. 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. The cuff can be applied to your left or right wrist. 4. Measurements should be taken in a quiet place.
- 5. Position the unit at heart level throughout the measurement

ensure a reliable reading follow these recommendation

- 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 ncrease 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



2 "AAA" Alkaline Batteries



Quick Start

UNIT DISPLAY

Instruction

Systolic blood pressure Diastolic blood pressure 388 Memory symbol Average value symbol Irregular heartbeat symbol Pulse display Movement error symbol - Battery low symbol Date/Time display Blood pressure level indicator Heartbeat symbol (Flashes during measurement) Deflation symbol

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 varies by less than 25% from the average rhythm 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

MOVEMENT ERROR SYMBOL (🖒)

The Movement Error Symbol (<math>) is displayed if you move your body during the measurement. Please remove the wrist cuff, and wait 2-3 minutes. Reapply the wrist cuff and take another measurement.

Internationally recognized guidelines for upper limit of normal home blood pressure readings are as follows:



Normal Heartbeat

Pulse

Blood MANAGEMENT

Irregular Heartbeat

Pulse 1 1 1

Blood M

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. A lower home blood pressure goal may be recommended for certain patients, including diabetic patients, pregnant women, and patients with renal failure.

▲ 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.

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.

BATTERY INSTALLATION

⚠ CAUTION

Use only 1.5V "AAA" alkaline batteries with this device.

1. Press the hook on the bottom of the battery cover and lift the cover off in the direction of the arrow.



- 2. Install 2 "AAA" size batteries so the + (positive) and -(negative) polarities match the polarities of the battery compartment as indicated.
- 3. Set the date and time Refer to "Setting the Date and Time".
- 4. Replace the battery cover. **NOTE:** Make sure that the battery cover is securely in

BATTERY REPLACEMENT

Low Battery Indicator

When the Low Battery Indicator appears on the display, turn the monitor off and remove all the batteries. Replace with 2 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. The measurement results are not deleted.
- When the batteries are replaced, you may need to reset the date and time. If "-:--" appears on the display, refer to "Setting the Date and Time". • The batteries included with the device may have a shorter life.
- \triangle CAUTION Dispose of the device, components and optional accessories according to applicable local regulations. Unlawful disposal may cause environmental

SETTING THE DATE AND TIME

Set the monitor to the current date and time before taking a measurement for the first time. If the date and time has not been set, the measurement values are stored without any date or time information.

1. TO START THE SETTING

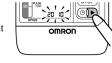
Press the Date/Time Setting button ((b)) to adjust the date and time.



2. SETTING THE YEAR

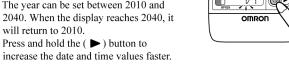
The year flashes on the display

Press the Date/Time Setting button (▶) to advance by increments of one year. Press the Date/Time Setting button () to set the current



The month flashes on the display

NOTES: • The year can be set between 2010 and 2040. When the display reaches 2040, it will return to 2010. • Press and hold the (>) button to



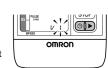
3. SETTING THE MONTH Press the Date/Time Setting button (▶) to advance by increments of one month. Press the Date/Time Setting button () to set the current



4. SETTING THE DAY

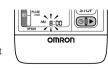
The day flashes on the display.

Press the Date/Time Setting button (▶) to advance by increments of one day. Press the Date/Time Setting button (() to set the current The hour flashes on the display



5. SETTING THE HOUR

The time is set using AM or PM. Press the Date/Time Setting button (▶) to advance by increments of one hour. Press the Date/Time Setting button (() to set the current



The minute flashes on the display.

6. SETTING THE MINUTE Press the Date/Time Setting button (▶) to advance by increments of one minute Press the Date/Time Setting button (() to set the minute



7. TO TURN THE MONITOR OFF Press the START/STOP button

APPLYING THE WRIST CUFF

⚠ CAUTION

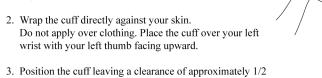
in your arm.

Read all of the information in the instruction manual and any other iterature 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 WRIST 1. Roll up sleeve. Make sure your sleeve is not rolled up too tightly on your arm. This may constrict the flow of blood

. Wrap the cuff directly against your skin. Do not apply over clothing. Place the cuff over your left

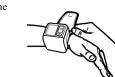


4. Hold the bottom part of the cuff and wrap it around the wrist so it fits comfortably and securely around your wrist. **NOTE:** Make sure the wrist cuff does not cover the protruding part of the wrist bone on the outside of

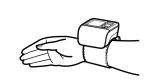
to 1 inch between the cuff and the bottom of your palm.



5. Fold the remaining part of the wrist cuff back out of the



APPLYING THE CUFF ON THE RIGHT WRIST When taking a measurement using the right wrist position the cuff as shown in the illustration.



TAKING A MEASUREMENT

1. Sit comfortably in a chair with your feet flat on the floor.



2. Hold your arm across your chest at heart level. Hold your elbow firmly to avoid body movement. Sit still and do not talk or move during the measurement.



All symbols appear on the display.

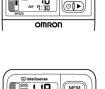
3. Press the START/STOP button.

The cuff starts to inflate automatically As the cuff inflates, the monitor automatically determines your ideal inflation level. This monitor detects your blood pressure and pulse rate during inflation. The Heartbeat Symbol () flashes at every heartbeat

Remain still and do not move 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.

4. After the monitor has detected your blood pressure and pulse rate, the cuff automatically 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 two minutes.

USING THE MEMORY FUNCTION

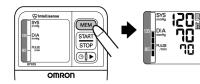
Every time you complete a measurement the monitor stores the blood pressure and pulse rate in the memory. The monitor automatically stores up to 60 sets of measurement values (blood pressure and pulse rate). When 60 sets of measurement values are stored, the oldest record is deleted to save the most recent values.

AVERAGING FUNCTION

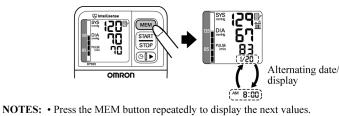
The monitor calculates the average reading based on up to the three most recent sets of measurement values taken within 10 minutes of the most recent reading. **NOTE:** If two sets of measurement values are stored in the memory for the 10 minute period, the average is based on the two sets of measurement values. If only one set of measurement values is stored, this is displayed as the average.

TO DISPLAY THE MEASUREMENT VALUES

1. Press the MEM button to display the average reading based on the three most recent sets of measurement values taken within 10 minutes of the most recent reading. The Average Value Symbol (in) appears on the display when the average reading is



2. Press the MEM button to display the set of measurement values from the most



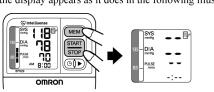
• Press and hold the MEM button to display the values faster. The date and time are alternately displayed with the measurement values.

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

TO DELETE ALL VALUES STORED IN THE MEMORY You cannot partially delete values stored in the memory. All values will be deleted.

1. Press the START/STOP button to turn the monitor on.

2. While holding the MEM button, press the START/STOP button down for more than 5 seconds until the display appears as it does in the following illustration.



3. Press the START/STOP button to turn the monitor off. **NOTE:** The monitor will automatically turn off after two minutes.

CARE AND MAINTENANCE

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

Do not forcefully bend the cuff. Do not fold tightly.

Clean the monitor with a soft dry cloth.

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

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.

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

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

⚠ CAUTION

SYMBOL

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

CORRECTION

CAUSE

	E	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 monitor from your wrist. Read "Taking a Measurement". Wait 2-3 minutes. Take another measurement.
	E	Cuff over-inflated.	
	Er 25	Device error.	Contact Customer Service.
		Movement during measurement.	Keep still and take another measurement.
		Irregular or weak pulses are detected.	Remove the monitor from your wrist. Wait 2-3 minutes and then take another measurement. Repeat the steps in section "Applying the Wrist Cuff." If this symbol continues to appear, contact your doctor.
	Ø	Batteries are worn.	Replace the batteries. Refer to "Battery Installation".
L			

TROUBLESHOOTING TIPS

PROBLEM	CAUSES AND SOLUTIONS
No power. No display appears on the unit.	Replace both batteries with new ones at the same time. 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.

LIMITED WARRANTY

Your BP629 IntelliSense® Automatic Wrist Blood Pressure Monitor, excluding the wrist cuff and batteries, is warranted to be free from defects in materials and workmanship appearing within 2 years from the date of purchase, when 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 wrist 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. THE FOREGOING IS THE SOLE WARRANTY PROVIDED BY OMRON IN CONNECTION WITH THIS PRODUCT, AND OMRON HEREBY DISCLAIMS ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IMPLIED WARRANTIES AND OTHER TERMS THAT MAY BE IMPOSED BY LAW, IF ANY, ARE LIMITED IN DURATION TO THE PERIOD

OMRON SHALL NOT BE LIABLE FOR LOSS OF USE OR ANY OTHER SPECIAL, INCIDENTAL, CONSEQUENTIAL OR INDIRECT COSTS,

OF THE ABOVE EXPRESS WARRANTY.

EXPENSES OR DAMAGES. This warranty provides you with specific legal rights, and you may have other rights

BP629 (HEM-6200-Z)

that vary by jurisdiction. Because of special local requirements, some of the above limitations and exclusions may not apply to you

FOR CUSTOMER SERVICE

Visit our web site at: Call toll free:

www.omronhealthcare.com

1-800-634-4350 **SPECIFICATIONS**

LCD Digital Display 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 Automatic exhaust valve Rapid Air Release: Measurement Method: Oscillometric method Power Source: 1.5V 2 "AAA" batteries Battery Life: Approx. 300 uses with 2 new alkaline batteries Operating Temperature 50°F to 104°F (10°C to 40°C) /15 to 90% RH Storage Temperature -4°F to 140°F (-20°C to 60°C) /10 to 95% RH /Humidity/Air Pressure: 700-1060 hPa Approximately 4 1/8 oz. (117g) not including batteries Approx. $2 \frac{3}{4}$ "(1) × $2 \frac{3}{4}$ "(w) × $1 \frac{5}{8}$ " (h) Main Unit Dimensions $(70 \text{ mm} \times 71 \text{ mm} \times 41 \text{ mm})$ (not including the wrist cuff) Approximately 5 1/4" to 8 1/2" (13.5 to 21.5 cm) Measurable

Main Unit, Storage Case, 2 "AAA" Alkaline Batteries,

Instruction Manual, and Quick Start Guide



NOTE: These specifications are subject to change without notice. Manufactured for :

OMRON HEALTHCARE Co., Ltd. Distributed by OMRON HEALTHCARE, INC 1925 West Field Court Lake Forest, IL 60045 U.S.A.

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Made in China

circumference of wrist

Memory: