


## General Information:

Product Description	Wrist Blood Pressure Monitor
Sales Name	RS2
Item number	HEM 6121 E
Model Category	Wrist Type Blood Pressure Monitor
Legal Manufacturer	 <b>OMRON HEALTHCARE Co., Ltd.</b> 53, Kunotsubo, Terado-cho, Muko, Kyoto 617-0002 JAPAN
Production Facilities	OMRON (DALIAN) Co., LTD. Dalian, China
Photo of Product	
Packaging Content	Main unit, pre-formed cuff, battery pack (2 x AAA), Instruction manual, Storage case, Guarantee card
EAN Code	4015672107304

## Packaging Information:


Carton	Qty	Approx Weight	Approx dimensions W x D x H mm
Main unit without batteries	1	101g	78 (w) mm x 60 (h) mm x 21 (d) mm (without the wrist cuff)
Sales Package	1	Tbd – after first mass production	H110mm x W 100mm x D110mm
Master Carton	20	Tbd – after first mass production	tbd

## Particularities

**RS2 (HEM 6121 E) is an automatic wrist type blood pressure monitor that has the unique selling points as noted:**

- **Intellisense Technology**
- **Cuff wrapping guide**
- **Optimal speed and pressure for gentle inflation/deflation**
- **Pre-formed easy to fit cuff**
- **Irregular heartbeat detection**
- **Hypertension indicator**
- **30 x memories**

## TECHNICAL PRODUCT INFORMATION

Product Description	Digital Automatic Wrist Blood Pressure Monitor
Model	OMRON RS2 HEM-6121-E
Display	LCD Digital Display
Measurement Method	Oscillometric method
Languages	EN, DE, FR, IT, ES, NL, RU, AR, TU, SR
Measurement Range	Pressure: 0mmHg to 299mmHg Pulse: 40 to 180/min.
Memory	30 x memory
Applied Part	 = Type B
Protection Against Electric Shock	Internally powered ME equipment
Accuracy	Pressure: $\pm 3$ mmHg Pulse: $\pm 5\%$ of display reading
Inflation	Automatic inflation by pump
Deflation	Automatic rapid deflation
Pressure Detection	Capacitive pressure sensor
Power Source	2 "AAA" alkaline (LR03) batteries 1.5V
Battery life	Approximately 300 measurements with new alkaline batteries at a room temperature of 23°C
Operating temperature / Humidity	+10°C to +40°C Maximum: 30% to 85% RH

Storage Temperature / humidity	-20°C to +60°C Maximum: 10% to 95% RH
Console Weight	Approximately 101g without batteries
Outer dimensions	Approximately 78 (w) mm x 60 (h) mm x 21 (d) mm (without the wrist cuff)
Measurable circumference of wrist	Approximately 13.5 to 21.5 cm
Cuff material	Nylon and polyester
Package Content	Main unit, battery set, instruction manual, guarantee card, carry case

## CE0197

This device fulfils the provisions of EC directive 93/42/EEC (Medical Device Directive).

- This blood pressure monitor is designed according to the European Standard EN1060, Noninvasive sphygmomanometers Part 1: General Requirements and Part 3: Supplementary requirements for electromechanical blood pressure measuring systems.
- This OMRON product is produced under the strict quality system of OMRON HEALTHCARE Co. Ltd., Japan. The Core component for OMRON blood pressure monitors, which is the Pressure Sensor, is produced in Japan.

### Intended Use

#### Medical Purpose

This product is intended for use to measure and/or monitor patients to record their blood pressure levels.

#### Intended User

- Legally certified medical experts, such as doctor, nurse and therapist, or healthcare personnel or patient under the guidance of qualified medical experts.
- The user should also be capable of understanding general operation of this device and the content of instruction manual.

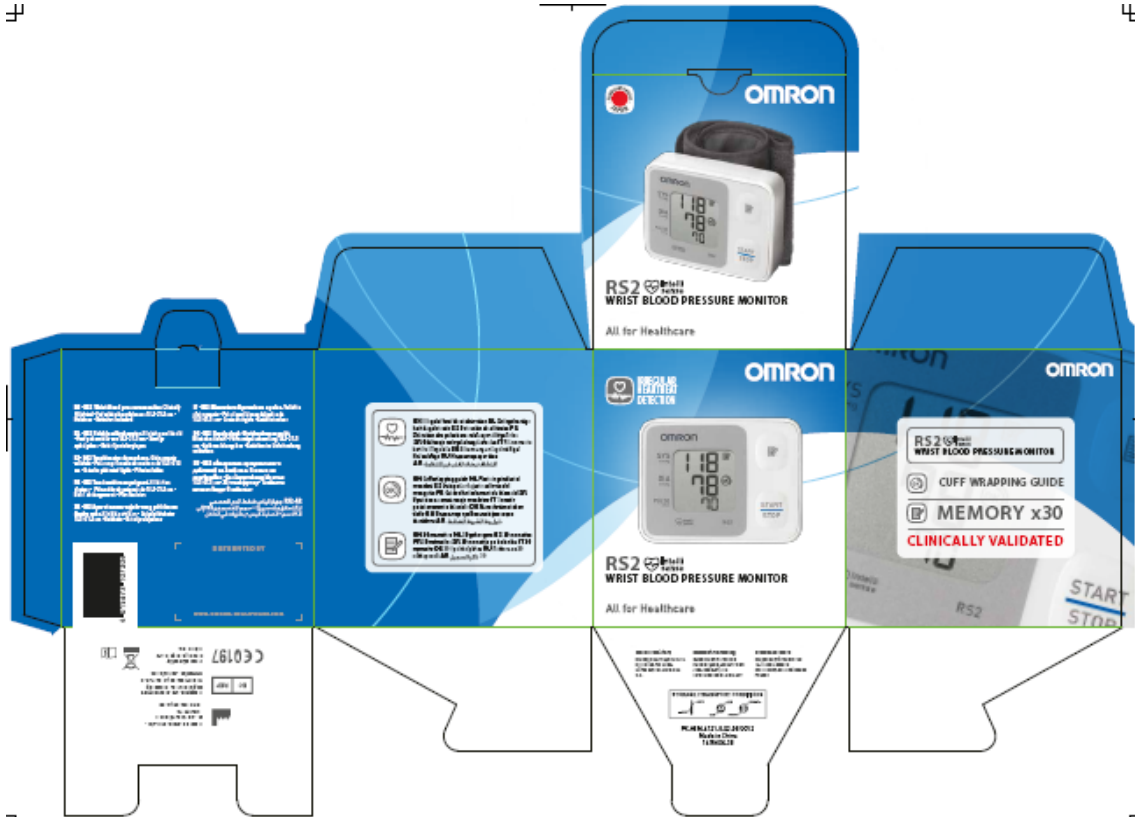
#### Intended Patients

This product should not be used by patients, who are unconscious or are not breathing spontaneously, unattended children or persons who cannot express their intent.

#### Environment

This product is intended for use in a medical facility, clinic and doctor's office, and in a room of general household.

## Packaging



## Expanded View – Front Panel



## RS2 Intelli sense WRIST BLOOD PRESSURE MONITOR

All for Healthcare

## Expanded View – Back Panel

**EN • RS2 Wrist blood pressure monitor.** Clinically Validated • For wrist circumferences 13,5-21,5 cm • Hardcase • Batteries Included

**NL • RS2 Polsbloeddrukmeter.** Klinisch gevalideerd • Voor polsometrek van 13,5-21,5 cm • Stevige opbergdoos • Batterijen inbegrepen

**ES • RS2 Tensiómetro de muñeca.** Clínicamente validado • Para un perímetro de muñeca de 13,5-21,5 cm • Estuche protector rígido • Pilas incluidas

**FR • RS2 Tensiomètre au poignet.** Validation clinique • Périmètre de poignet de 13,5-21,5 cm • Boîte de rangement • Piles fournies

**SR • RS2 Aparat za merenje krvnog pritiska na članku ruke.** Klinički potvrđen • Za rucni kružnice 13,5-21,5 cm • Hardcase • Baterije uključene

**IT • RS2 Misuratore di pressione a polso.** Validato clinicamente • Per circonferenza del polso da 13,5-21,5 cm • Custodia rigida • Batterie incluse

**DE • RS2 Handgelenk-Blutdruckmessgerät.** Klinisch validiert • Für handgelenkumfang 13,5-21,5 cm • Aufbewahrungsbox • Batterien im Lieferumfang enthalten

**RU • RS2 измеритель артериального давления на запястье.** Клинически апробирован • Для запястий окружностью 13,5-21,5 см • Жесткий футляр • Элементы питания входят в комплект

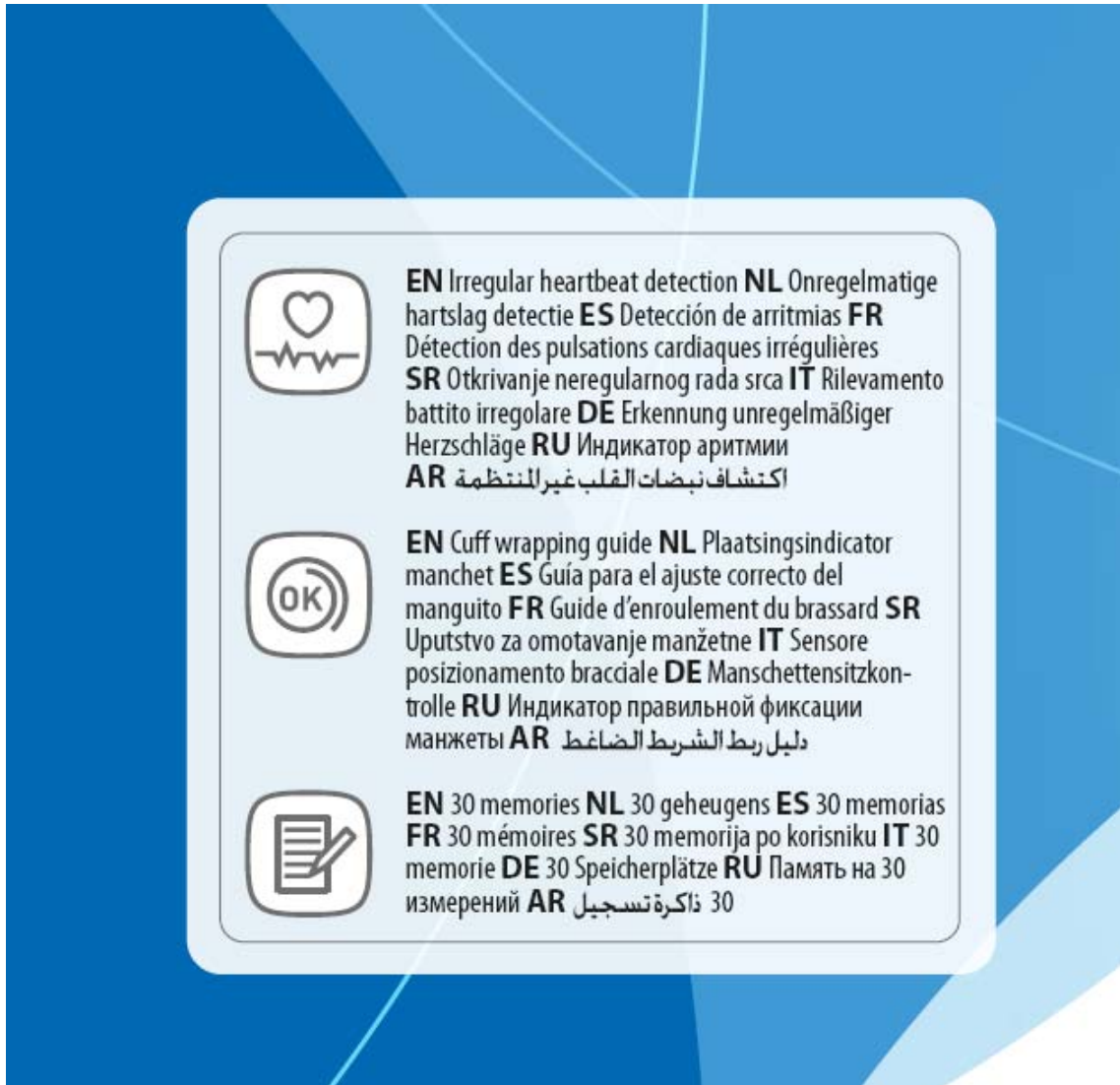
**RS2-AR جهاز قياس ضغط الدم المعصمي**  
تم التحقق منه سريريًا • حجم المعصم من 13.5 إلى 21.5 سم • الصلبة كيس • بطاريات في الداخل





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## Expanded View - Side Panel 1



 **EN** Irregular heartbeat detection **NL** Onregelmatige hartslag detectie **ES** Detección de arritmias **FR** Détection des pulsations cardiaques irrégulières **SR** Otkrivanje neregularnog rada srca **IT** Rilevamento battito irregolare **DE** Erkennung unregelmäßiger Herzschläge **RU** Индикатор аритмии **AR** اكتشاف نبضات القلب غير المنتظمة

 **EN** Cuff wrapping guide **NL** Plaatsingsindicator manchet **ES** Guía para el ajuste correcto del manguito **FR** Guide d'enroulement du brassard **SR** Uputstvo za omotavanje manžetne **IT** Sensore posizionamento bracciale **DE** Manschettensitzkontrolle **RU** Индикатор правильной фиксации манжеты **AR** دليل ربط الشريط الضاغط

 **EN** 30 memories **NL** 30 geheugens **ES** 30 memorias **FR** 30 mémoires **SR** 30 memorija po korisniku **IT** 30 memorie **DE** 30 Speicherplätze **RU** Память на 30 измерений **AR** ذاكرة تسجيل 30





## Expanded View – Side Panel 2






## Comparison Table

Product Description	Digital Automatic Wrist Blood Pressure Monitor	Change from Previous (R) Model to New (RS) Model	Digital Automatic Wrist Blood Pressure Monitor
Model	OMRON R2 HEM-6113-E	Yes	OMRON RS2 HEM-6121-E
Display	LCD Digital Display	No	LCD Digital Display
Measurement Method	Oscillometric method	No	Oscillometric method
Languages	EN, DE, FR, IT, ES, NL, RU, AR	Yes	EN, DE, FR, IT, ES, NL, RU, AR, TU, SR
Measurement Range	Pressure: 0mmHg to 299mmHg Pulse: 40 to 180/min	No	Pressure: 0mmHg to 299mmHg Pulse: 40 to 180/min.
Memory	30 x memory	No	30 x memory
Applied Part	 = Type B	No	 = Type B
Protection Against Electric Shock	Internally powered ME equipment	No	Internally powered ME equipment
Accuracy	Pressure: $\pm 3$ mmHg Pulse: $\pm 5\%$ of display reading	No	Pressure: $\pm 3$ mmHg Pulse: $\pm 5\%$ of display reading
Inflation	Automatic inflation by pump	No	Automatic inflation by pump
Deflation	Automatic rapid deflation	No	Automatic rapid deflation
Pressure Detection	Capacitive pressure sensor	No	Capacitive pressure sensor
Power Source	2 "AAA" alkaline (LR03) batteries 1.5V	No	2 "AAA" alkaline (LR03) batteries 1.5V
Battery life	Approximately 300 measurements with new alkaline batteries at a room temperature of 23°C	No	Approximately 300 measurements with new alkaline batteries at a room temperature of 23°C
Operating temperature / Humidity	+10°C to +40°C Maximum: 30% to 85% RH	No	+10°C to +40°C Maximum: 30% to 85% RH
Storage Temperature / humidity	-20°C to +60°C Maximum: 10% to 95% RH	No	-20°C to +60°C Maximum: 10% to 95% RH
Console Weight	Approximately 101g without batteries	No	Approximately 101g without batteries
Outer dimensions	Approximately 71 (w) mm x 41 (h) mm x 70 (d) mm (without the wrist cuff)	No	Approximately 78 (w) mm x 60 (h) mm x 21 (d) mm (without the wrist cuff)
Measurable circumference of wrist	Approximately 13.5 to 21.5 cm	No	Approximately 13.5 to 21.5 cm
Cuff material	Nylon and polyester	No	Nylon and polyester
Package Content	Main unit, battery set, instruction manual,	No	Main unit, battery set, instruction manual,

guarantee card, carry case	guarantee card, carry case
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## Instruction Manual Design

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**Wrist Blood Pressure Monitor**  
Model RS2  
Instruction Manual

IM-RM-0121-0-01-000112  
533044-7A

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**Introduction**

Thank you for purchasing the OMRON RS2 Wrist Blood Pressure Monitor.

The OMRON RS2 is a compact and easy to use blood pressure monitor, operating on the oscillometric principle. It measures your blood pressure and pulse rate simply and quickly. For comfortable, conflict-free use without the need of pressure preventing or restricting 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 wrist 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.

**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.

**Important Safety Information**

Consult your doctor prior to using in pregnancy or if diagnosed with arrhythmia or arteriosclerosis.


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)
- Always consult your doctor. Self-diagnosis of measurement results and self-treatment are dangerous.
- People with severe blood flow problems, or blood disorders, should consult a doctor before using the unit, as cuff inflation can cause internal bleeding.
- (Battery Usage)
- Battery fluid should get in your eyes. Immediately rinse with plenty of clean water. Consult a doctor immediately.
- 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)
- Do not leave the unit unattended with infants or persons who cannot express their consent.
- Do not use the unit for any purpose other than measuring blood pressure.
- Do not use a mobile phone or other devices that emit electromagnetic fields, near the unit. This may result in incorrect operation of the unit.
- Do not disassemble the unit or wrist cuff.
- (Battery Usage)
- Battery fluid should get on your skin or clothing. Immediately rinse with plenty of clean water.
- Use only two "AAA" alkaline (LR03) batteries with this unit.
- Do not insert the batteries with their polarities incorrectly aligned.
- Replace old batteries with new ones immediately. Replace both batteries at the same time.
- Remove the batteries if the unit will not be used for three months or more.
- Do not use new and used batteries together.
- (General Precautions)
- Do not apply strong shocks and vibrations to or drop the unit.
- Do not take measurements after bathing, drinking alcohol or caffeine, smoking, exercising or eating.
- Do not inflate the wrist cuff when it is not wrapped around your wrist.
- Read and follow the "Important Information Regarding Electro Magnetic Compatibility (EMC)" in the Technical Data Section.
- 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.

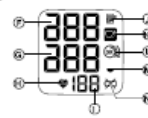
**1. Overview**

**Main unit:**



- A. Wrist cuff
- B. Battery compartment
- C. Display
- D. Memory (M) button
- E. START/STOP button
- F. Systolic blood pressure
- G. Diastolic blood pressure
- H. Heartbeat symbol
- I. Memory symbol
- J. Irregular heartbeat symbol

**Display:**




- F. Systolic blood pressure
- G. Diastolic blood pressure
- H. Heartbeat symbol
- I. Memory symbol
- J. Irregular heartbeat symbol


**2. Preparation**

**2.1 Installing/Replacing the Batteries**

- Remove the battery cover.



- Insert two 1.5V "AAA" alkaline (LR03) batteries as indicated in the battery compartment and then replace the battery cover.



**Notes:**

- If the battery low symbol (⊖) appears on the display, turn off the unit then replace both batteries at the same time.
- The measurement values continue to be stored in memory even after the batteries are replaced.


Dispose of used batteries should be carried out in accordance with the national regulations for the disposal of batteries.

**3. Using the Unit**

**3.1 Applying the Wrist Cuff**


Do not apply over clothing.

- Place the wrist cuff over your wrist.



Your palm should face upward.

- Wrap the wrist cuff around your wrist.



Wrap the wrist cuff securely around the wrist for taking accurate measurements.

Make sure that the wrist cuff does not cover the protruding part of the wrist bone (ulna) on the outside of the wrist.

**Note:** You can take a measurement on either your left or right wrist.

**3.2 How to Sit Correctly**

To take a measurement, you need to be relaxed and comfortably seated, under comfortable room temperature. No bathing, drinking alcohol or caffeine, smoking, exercising or eating 30 minutes before taking a measurement.

- Sit on a chair with your feet flat on the floor.
- Sit upright with your back straight.
- The cuff should be at the same level as your heart.
- Relax your wrist and hand. Do not bend your wrist back, check your feet, or bend your wrist forward.




**3.3 Taking a Reading**

**Notes:**

- To cancel a measurement, press the START/STOP button at any time during measurement.
- Retreat still while taking a measurement.

- Press the START/STOP button. All the symbols appear on the display. The wrist cuff will start to inflate automatically.



**Cuff Wrapping Guide**

**Cuff Wrapping Guide**

The Cuff Wrapping Guide is a unique feature that indicates if the cuff is not wrapped tightly enough around the wrist. Even when the ⊖ is displayed, a blood pressure reading will be taken.

**Note:** This reading is NOT reliable due to the incorrect wrapping of the cuff. Please wrap the cuff again, being care to wrap it correctly and take the measurement again. When the ⊖ is displayed, the cuff is correctly wrapped tightly enough on the wrist and the reading is accurate and reliable.

- Undo the wrist cuff and remove the unit.
- Press the START/STOP button to turn off the monitor. The monitor automatically stores the measurement in its memory. It will automatically turn off after two minutes.

**Important:**

- If your systolic or diastolic pressure is outside the standard range, the heartbeat symbol will blink when the measurement result is displayed.

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.

**Notes:**

- 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.
- 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 the two arms differ substantially, please check with your physician which arm to use for your measurement.

**Warning:**

Self-diagnosis of measured results and treatment are dangerous. Please follow the instructions of your doctor.