



EN English

Blood pressure measurements determined with AV151F are equivalent to those obtained by a trained observer using cuff/stethoscope auscultation method, within the limits prescribed by the American National Standard, Electronic or Automated Sphygmomanometers. This unit is to be used by adult consumers in a home environment. Do not use this device on infants or neonates. AV151F is protected against manufacturing defects by an established International Warranty Program. For warranty information, you can contact the manufacturer, Rossmax International Ltd.
Attention: Consult the accompanying documents. Please read the manual carefully before use. For specific information on your own blood pressure, contact your physician. Please be sure to keep this manual.

Real Fuzzy Measuring Technology

This unit uses the oscillometric method to detect your blood pressure. Before the cuff starts inflating, the device will establish a baseline cuff pressure equivalent to the air pressure. This unit will determine the appropriate inflation level based on pressure oscillations, followed by cuff deflation. During the deflation, the device will detect the amplitude and slope of the pressure oscillations and thereby determine for you the systolic blood pressure, diastolic blood pressure, and pulse.

Preliminary Remarks

This Blood Pressure Monitor complies with the European regulations and bears the CE mark "CE 0120". The quality of the device has been verified according to the EC council directive 93/42/EEC (Medical Device Directive), Annex I essential requirements and applied harmonized standards.

EN 1060-1:1995/A2: 2009 Non-invasive sphygmomanometers - Part 1 - General requirements
EN 1060-2:1997/A2: 2009 Non-invasive sphygmomanometers - Part 3 - Supplementary requirements for electro-mechanical blood pressure measuring systems
EN 1060-4:2004 Non-invasive sphygmomanometers - Part 4 - Test Procedures to determine the overall system accuracy of automated non-invasive sphygmomanometers
This blood pressure monitor was designed for long service time. To ensure accurate measurements, this monitor is recommended to be recalibrated every two years.

Blood Pressure Standard

The National High Blood Pressure Education Program Coordinating Committee has designated a "black" zone can be erased automatically.

Troubleshooting
If any abnormality will arise during use, please check the following points.

Symptoms	Check Points	Correction
No display when the ON/OFF/START key is pressed	Have the batteries run down? Have the batteries' polarities been positioned incorrectly?	Replace them with four fresh batteries. Re-insert the batteries in the correct positions.
EE mark shown on display	Is the cuff placed correctly?	Make sure that it is positioned correctly.
Pressure is displayed excessively low (High)	Did you talk or move during measurement? Did you shake the wrist?	Measure again. Keep wrist steady during measurement.

DI / Measurement Error: Make sure the L-Plug is securely connected to the air socket and measure again quietly. Wrap the cuff correctly and keep arm steady during measurement. If the error keeps occurring, return the device to your local distributor or service center.

E1 / Air Circuit Abnormality: Make sure the L-Plug is securely connected to the air socket and measure again quietly. If the error still occurs, return the device to your local distributor or service center for help.

E2 / Pressure Exceeding 300 mmHg: Switch the unit off and measure again quietly. If the error keeps occurring, return the device to your local distributor or service center.

E3 / Data Error: Remove the batteries, wait for 60 seconds, and reload. If the error keeps occurring, return the device to your local distributor or service center.

Er / Exceeding Measurement Range: Measure again quietly. If the error keeps occurring, return the device to your local distributor or service center.

Irregular Heartbeat (IHB) Detector
This unit is equipped with an Irregular Heartbeat (IHB) Detector which allows those who have an irregular heartbeat to obtain accurate measurements alerting the user of the presence of an irregular heart beat during the measurement.

Installing Batteries
1. Press down and lift the battery cover in the direction of the arrow to open the battery compartment.
2. Insert the batteries in the battery compartment according to the indications inside the compartment.
3. Replace the battery cover by clicking in the bottom hooks first, then push in the top end of the battery cover.

4. Replace the batteries in pairs. Remove batteries when unit is not in use for a long period of time.
5. You need to replace the batteries when 1. low battery icon appears on display, 2. the ON/OFF/START key is pressed and nothing appears on display.
Caution:
1. Batteries are hazardous waste. Do not dispose them together with the household garbage.
2. There are no user serviceable parts inside. Batteries or damage from old batteries are not covered by warranty.
3. Use exclusively brand batteries. Always replace with new batteries to get the best performance and the same brand and same type.

Attaching the Arm Cuff
1. Slip the arm cuff, leaving the end of the cuff through the D-ring of the cuff.
2. Put your left arm through the cuff loop. The color strip indicating should be positioned closer to you with the tubing pointing in the direction of your arm (Fig. ④).
3. Lay your arm on a table (palm upward) so the cuff is at the same height as your heart. Make sure the tube is not kinked (Fig. ⑤).
4. The cuff is suitable for your use if the arrow falls within the solid color line as shown on the right (Fig. ⑦). If the arrow falls outside the solid color line, you will need a cuff with other circumferences. Contact your local dealer for additional size cuffs.

Measurement Procedure
Here are a few helpful tips to help you obtain more accurate readings:
• Blood pressure changes with every heartbeat and is in constant fluctuation throughout the day.
• Blood pressure recording can be affected by the position of the user, his or her physiological condition and other factors. For greatest accuracy, wait one hour after exercising, bathing, eating, drinking beverages with alcohol or caffeine, or smoking to measure blood pressure.

ES Español

1. Arm Cuff,
2. LCD Display,
3. Air Tube and Connector,
4. ON/OFF/START Key,
5. Memory Key,
6. Battery Cover

1. Oberarmmanschette,
2. LCD-Anzeige,
3. Luftschlauch und Anschluss,
4. Taste ON/OFF/START,
5. „Speicher“-Taste,
6. Batterie/Deckel,

• Before measurement, it's suggested that you sit quietly for at least 5 minutes as measurement taken during a relaxed state will have greater accuracy. You should not be physically tired or exhausted while taking a measurement.

• Do not take measurements if you are under stress or tension.
• During measurement, do not talk or move your arm or hand muscles.
• Take your blood pressure at normal body temperature. If you are feeling cold or hot, wait a while before taking a measurement.
• If the monitor is stored at very low temperature (near freezing), have it placed at a warm location for at least one hour before using it.
• Wait 1 minute before taking the next measurement.

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4. Replace the batteries in pairs. Remove batteries when unit is not in use for a long period of time.
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FR Français

1. Brazalette,
2. Pantalla LCD,
3. Tubo de aire y conector,
4. Botón de ENCENDIDO/APAGADO/INICIO,
5. Botón de memoria,
6. Tapa de pilas,

1. Brassard pour bras,
2. Ecran LCD,
3. Tuyau d'air et connecteur,
4. Touche ON/OFF/DEMARRAGE,
5. Touche Mémoire,
6. Couverture du logement des piles,

ES Español

Introducción
Las mediciones de presión arterial determinadas con AV151F son equivalentes a aquellas obtenidas por un observador entrenado usando el método de auscultación con brazalette/estetoscopio dentro de los límites especificados en la norma ANSI para esfigmomanómetros electrónicos o automatizados. Esta unidad se ha concebido para ser usada por adultos en un entorno doméstico. No use este aparato para niños o recién nacidos. El AV151F está protegido contra defectos de fabricación mediante un programa de garantía internacional. Para una información acerca de la garantía, usted puede contactar al fabricante, Rossmax International Ltd.
Atención: Consulte los documentos anexos o, por favor, lea este manual cuidadosamente antes del uso. Para una información específica acerca de su propia presión arterial, contacte a su médico. Por favor, léase en guardar este manual.

Tecnología de medición real fuzzy
Esta unidad usa el método oscilométrico para detectar su presión arterial. Antes de que el brazalette comience con el inflado, el aparato establecerá una presión de referencia del brazalette equivalente a la presión del aire. Esta unidad determinará el nivel de inflado apropiado basándose en oscilaciones de la presión seguida por el desinflado del brazalette. Durante el desinflado, el aparato detectará la amplitud y la pendiente de las oscilaciones de presión, y de este modo, determinará su presión arterial sistólica, la presión arterial diastólica y el pulso.

Notas preliminares
El monitor de presión arterial está conforme con las disposiciones europeas y lleva la marca CE "CE 0120". La calidad del aparato ha sido verificada y está conforme con la Directiva 93/42/CEE (Directiva de Productos Sanitarios) del Consejo de la UE, Anexo I/Requisitos esenciales y normas armonizadas aplicadas.
EN 1060-1:1995/A2: 2009 Esfigmomanómetros no invasivos - Parte 1 - Requisitos generales
EN 1060-2:1997/A2: 2009 Esfigmomanómetros no invasivos - Parte 3 - Requisitos suplementarios aplicables a los sistemas electromecánicos de medición de la presión sanguínea
EN 1060-4:2004 Esfigmomanómetros no invasivos - Parte 4 - Procedimientos de ensayo y métodos de prueba para la exactitud del sistema total de esfigmomanómetros no invasivos automatizados.

Este monitor de presión arterial ha sido diseñado para una larga vida útil. Para garantizar mediciones exactas, se recomienda que este monitor sea recalibrado cada dos años.
Recalling Values from Memory
1. To recall stored blood pressure readings from memory, simply press the Memory key, the first reading displayed is the average of the last 3 measurements stored in memory, and then the last set of memorized readings will be displayed.
2. Another press of the Memory key will recall the previous set of readings. This blood pressure monitor was designed for long service time. To ensure accurate measurements, this monitor is recommended to be recalibrated every two years.

Clearing Values from Memory
Press and hold the Memory key for approximately 5 seconds, then the screen will display a "black" zone can be erased automatically.

Troubleshooting
If any abnormality will arise during use, please check the following points.

Symptoms	Check Points	Correction
No display when the ON/OFF/START key is pressed	Have the batteries run down? Have the batteries' polarities been positioned incorrectly?	Replace them with four fresh batteries. Re-insert the batteries in the correct positions.
EE mark shown on display	Is the cuff placed correctly?	Make sure that it is positioned correctly.
Pressure is displayed excessively low (High)	Did you talk or move during measurement? Did you shake the wrist?	Measure again. Keep wrist steady during measurement.

DI / Measurement Error: Make sure the L-Plug is securely connected to the air socket and measure again quietly. Wrap the cuff correctly and keep arm steady during measurement. If the error keeps occurring, return the device to your local distributor or service center.

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4. Replace the batteries in pairs. Remove batteries when unit is not in use for a long period of time.
5. You need to replace the batteries when 1. low battery icon appears on display, 2. the ON/OFF/START key is pressed and nothing appears on display.
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Here are a few helpful tips to help you obtain more accurate readings:
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1. Memory Mark
2. Weak Battery Mark
3. Pulse Mark
4. Pulse Rate
5. Systolic Pressure

1. Speichersymbol
2. Symbol für erschöpfte Batterien
3. Pulssymbol
4. Pulsfrequenz
5. Systolischer Druck

1. Marca de memoria
2. Marca de pila baja
3. Marca del pulso
4. Frecuencia del pulso
5. Presión sistólica
6. Presión diastólica
7. Detector de arritmia cardíaca

1. Diastolischer Druck
2. Indikator für unregelmässigen Herzschlag (IHB)
3. Icono de la memoria
4. Icono "Fiable état de charge"
5. Icono de pouls
6. Pression diastolique
7. Détecteur de trouble du rythme cardiaque (IHB)

Revisión de los valores en la memoria
1. Para revisar las lecturas de presión arterial guardadas en la memoria, simplemente pulse el botón de memoria. Se visualizará el último conjunto de lecturas memorizadas en la memoria.
2. Otra pulsación del botón de memoria llamará el conjunto de lecturas previo.
3. Todas las lecturas guardadas en la memoria se visualizarán junto con su respectivo número consecutivo.

Eliminación de los valores en la memoria
Pulse y mantenga el botón de memoria pulsado por aprox. 5 segundos. A continuación, los datos en la zona de memoria podrán ser borrados automáticamente.

Normala de presión arterial
El National High Blood Pressure Education Program Coordinating Committee (comité nacional coordinador de programas de educación en hipertensión) de los EE.UU. ha designado una zona "negra" que puede ser borrada automáticamente.

Troubleshooting
If any abnormality will arise during use, please check the following points.

Symptoms	Check Points	Correction
No display when the ON/OFF/START key is pressed	Have the batteries run down? Have the batteries' polarities been positioned incorrectly?	Replace them with four fresh batteries. Re-insert the batteries in the correct positions.
EE mark shown on display	Is the cuff placed correctly?	Make sure that it is positioned correctly.
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1. Press down and lift the battery cover in the direction of the arrow to open the battery compartment.
2. Insert the batteries in the battery compartment according to the indications inside the compartment.
3. Replace the battery cover by clicking in the bottom hooks first, then push in the top end of the battery cover.

4. Replace the batteries in pairs. Remove batteries when unit is not in use for a long period of time.
5. You need to replace the batteries when 1. low battery icon appears on display, 2. the ON/OFF/START key is pressed and nothing appears on display.
Caution:
1. Batteries are hazardous waste. Do not dispose them together with the household garbage.
2. There are no user serviceable parts inside. Batteries or damage from old batteries are not covered by warranty.
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3. Todas las lecturas guardadas en la memoria se visualizarán junto con su respectivo número consecutivo.

Eliminación de los valores en la memoria
Pulse y mantenga el botón de memoria pulsado por aprox. 5 segundos. A continuación, los datos en la zona de memoria podrán ser borrados automáticamente.

Normala de presión arterial
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Pressure is displayed excessively low (High)	Did you talk or move during measurement? Did you shake the wrist?	Measure again. Keep wrist steady during measurement.

DI / Measurement Error: Make sure the L-Plug is securely connected to the air socket and measure again quietly. Wrap the cuff correctly and keep arm steady during measurement. If the error keeps occurring, return the device to your local distributor or service center.

E1 / Air Circuit Abnormality: Make sure the L-Plug is securely connected to the air socket and measure again quietly. If the error still occurs, return the device to your local distributor or service center for help.

E2 / Pressure Exceeding 300 mmHg: Switch the unit off and measure again quietly. If the error keeps occurring, return the device to your local distributor or service center.

E3 / Data Error: Remove the batteries, wait for 60 seconds, and reload. If the error keeps occurring, return the device to your local distributor or service center.

Er / Exceeding Measurement Range: Measure again quietly. If the error keeps occurring, return the device to your local distributor or service center.

Irregular Heartbeat (IHB) Detector
This unit is equipped with an Irregular Heartbeat (IHB) Detector which allows those who have an irregular heartbeat to obtain accurate measurements alerting the user of the presence of an irregular heart beat during the measurement.