

American Health Gate

ARM BLOOD PRESSURE MONITOR AHG-300

INSTRUCTION MANUAL



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ARM BLOOD PRESSURE MONITOR (AHG-300)

Thank you for purchasing the AHG Arm Blood Pressure Monitor. This is a fully automatic, oscillometric blood pressure monitor for home use. It measures systolic and diastolic blood pressure and pulse rate non-invasively on the upper arm (brachial artery). The device detects pressure oscillations from blood flow and converts them into digital readings.

The AHG-300 is intended for self-measurement of blood pressure and pulse rate by adults in a home care environment. It is for monitoring purposes only and not for diagnosis or treatment. The patient is the intended operator. All functions are designed for safe layperson use.

This monitor complies with the requirements of ISO 81060-2.

1. Unpacking Inspection

Before use, carefully open the package and verify that all components listed below are included and undamaged. If any component is missing or damaged, do not use the device. Contact your distributor or retailer immediately. Use the device only in accordance with the instructions provided in this manual.

2. Packing List

No.	Name	Quantity
1	Arm Blood Pressure Monitor	1
2	Cuff 22-42cm (8.6-16.5 inches)	1
3	Luxury Travel Bag	1
4	User Manual	1
5	USB Type-C Cable (for external power supply)	1

3. Symbol Definitions

Understanding the warning signs and symbols is essential for the safe and proper use of this device. Please familiarize yourself with the following symbols, which may appear on the device, its labels, or within this user manual:

Symbols	Explanation
	Caution
	Type BF Applied Part
	Symbol for marking electrical and electronic equipment according to Directive 2012/19/EU.
	Refer to instruction manual
	Keep dry
	Low voltage indication
	Keep away from the sunlight
	This way up
IP21	Protected against solid foreign objects ≥ 12.5 mm $\varnothing$ and against vertically falling water drops
	Manufacturer
	Date of manufacture

	Serial number
	Batch code
	Authorized representative in the European Community
	CE mark
RoHs	RoHS compliant
	Unique Device Identifier
	Medical device
	Indicates the importer of the medical device into the local market

4. Product Composition

This product consists of the main unit and an arm cuff.

5. Intended Use / Instructions for Use

The Arm Blood Pressure Monitor is intended to measure systolic blood pressure, diastolic blood pressure, and pulse rate in adult individuals using a non-invasive oscillometric method, either in medical facilities or at home.

Intended Users

1. Laypersons or healthcare professionals.
2. Individuals who can read and understand the user manual.

Clinical Benefit

This device allows patients to monitor systolic and diastolic blood pressure, as well as pulse rate, conveniently at home. Regular self-monitoring can reduce hospital visits, minimize travel-related risks, and improve the overall quality of life.

6. Contraindications

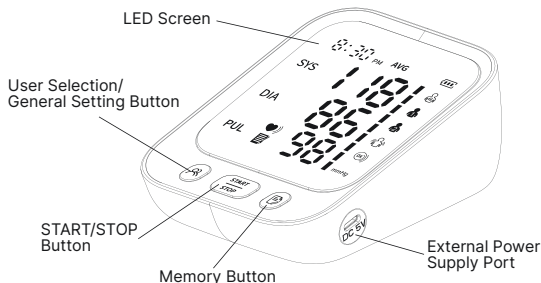
Do not use this device if the patient's condition meets any of the following contraindications, to avoid inaccurate measurements or injury.

1. This device is not suitable for use on patients with implanted electronic devices, such as cardiac pacemakers or defibrillators.
2. Avoid taking measurements on the arm on the same side as a mastectomy or lymph node clearance.
3. The device measures blood pressure using a pressurized cuff. Do not use the device if the measuring limb has injuries (e.g., open wounds) or is under medical treatment (e.g., intravenous infusion), as this may worsen the condition or cause discomfort.
4. Avoid taking measurements on patients with conditions or diseases that cause involuntary movements (e.g., trembling or shivering) or inability to communicate clearly (e.g., young children or unconscious patients).
5. The device uses the oscillometric method to determine blood pressure; therefore, the arm being measured should have normal blood perfusion.

The device is not intended for use on a limb with restricted or impaired blood circulation. If you have poor perfusion or blood disorders, consult your doctor before using the device.

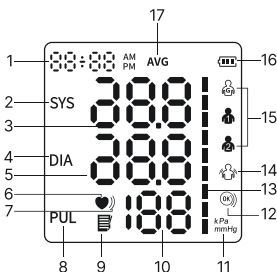
7. Product Parts

(1) Main Unit



(2) Display Screen

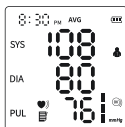
1. Date and Time
2. Systolic Blood Pressure Icon
3. Systolic Blood Pressure Value
4. Diastolic Blood Pressure Icon
5. Diastolic Blood Pressure Value
6. Heartbeat Icon
7. Irregular Heartbeat Icon
8. Pulse Rate Icon
9. Memory Icon
10. Pulse Rate Value
11. Unit of Blood Pressure
12. Cuff Worn Detection
13. Blood Pressure Indicator
14. Keep Still Indication
15. User Icon
16. Battery Icon
17. Average Value Icon



8. WHO Blood Pressure Indicator



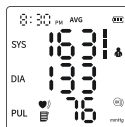
White for Standby



Green for Normal



Yellow for Mild High Blood Pressure or Hypertension



Red for High Blood Pressure

Systolic Blood Pressure (mmHg)	Diastolic Blood Pressure (mmHg)	Color Display	Hierarchical Relationship
≥160	≥100	red	or
140-159	90-99	yellow	or
90-139	60-89	green	or
<90	<60	yellow	and



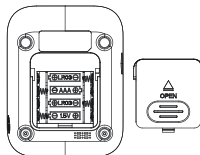
Warning:

When the blood pressure indicator shows red, it indicates high blood pressure (hypertension). Please consult your physician immediately.

9. Power Connection

(1) Install The Batteries

1. Open the battery cover as shown in the illustration.
2. Insert 4 AAA batteries into the battery compartment, making sure to follow the polarity indicators (+/-) shown inside the compartment.





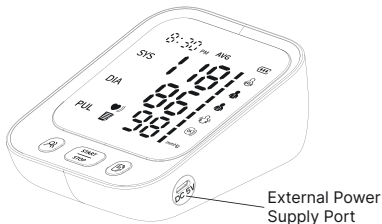
Warning:

Remove the batteries if the device will not be used for an extended period (over 3 months) to prevent battery leakage or damage.

(2) Type-C Connection for Power Supply

In addition to battery operation, the device can also be powered by plugging it into a DC 5V external power supply via the Type-C port.

(The Type-C power cable is included in the package contents.)



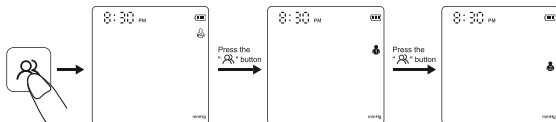
Notes:

- The adapter function is intended for temporary use, such as when suitable AAA batteries are not available.
- The adapter must comply with the IEC 60601-1 standard and meet the following specifications:
Input: AC 100–240V, 50/60Hz
Output: DC 5V, 1.0A
- Using an adapter that does not meet these specifications may cause electric shock, fire, or device damage.

10. Function Setting

(1) User Selection

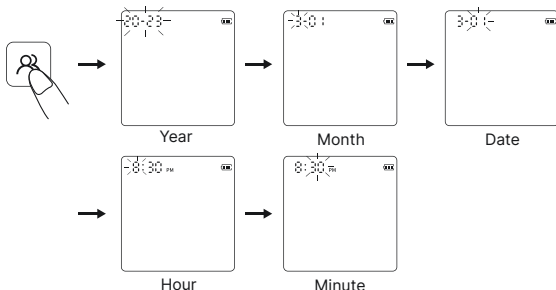
In the power-off mode, press the "⌘" button to enter the user selection mode. Press the "⌘" button again to switch between user groups and select the desired user.



(2) Date and Time Setting

In the power-off mode, press the "⌘" button for about 3 seconds to enter the date setting mode. The "year" digits will flash. Press the "≡" button to adjust the year, and press the "⌘" button to confirm the selection.

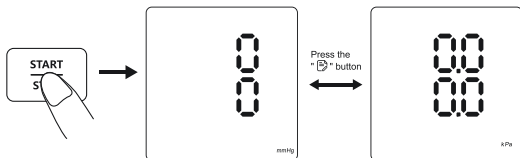
After setting the year, the display will automatically switch to month setting. Repeat the same steps to set the month, date, hour, and minute.



(3) Unit Display Setting

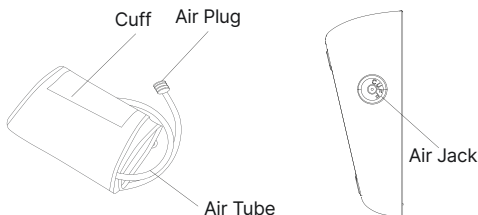
This device supports two blood pressure units: mmHg and kPa. The default unit is mmHg.

In the power-off mode, press the "START/STOP" button for about 5 seconds to enter the unit selection interface. Press the "Menu" button to switch between mmHg and kPa, then press the "OK" button to confirm your selection.

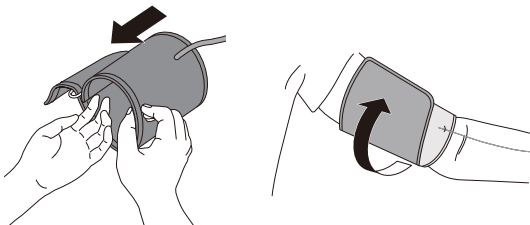


11. How to Apply the Arm Cuff

- (1) Connect the arm cuff to the monitor by inserting the air plug firmly into the air jack.

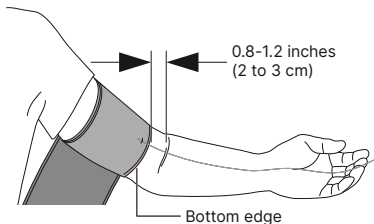


- (2) Place your arm through the cuff loop and pull it upward until it is positioned on your upper arm.



Notes:

- The bottom edge of the arm cuff should be 0.8–1.2 inches (2–3 cm) above the elbow.
- Ensure that the air tube is positioned on the inside of your arm, aligned with your middle finger.



- Wrap the cuff snugly and securely so it does not move during measurement.

Notes:

- *Repeated measurements may cause blood congestion in the arm and affect the measurement results.*
- *Be careful not to place your arm on the air tube during measurement.*

How to avoid blood congestion and ensure the repeated measurement is accurate?

To help restore normal blood flow before taking another measurement, raise your arm and open and close your fist several times. Alternatively, remove the cuff and rest quietly for at least 2–3 minutes before taking another measurement.

(3) Sitting Correctly

- Sit in a comfortable chair with your back straight and your arm supported.
- Keep your feet flat on the floor and legs uncrossed.
- Ensure the arm cuff is positioned at the same level as your heart, with the arm resting comfortably on the table.



Warning:

Do not kink or twist the the connecting air tube, as continuous cuff pressure may interfere with blood flow and cause injury.

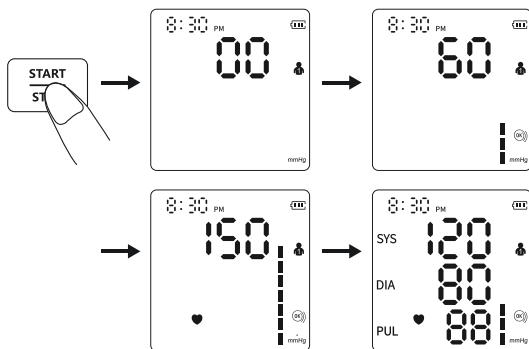
12. How to Take Proper Measurements

(1) Preparation Before Measurement

- Remove any clothing from your upper arm.
- Always use the same arm for measurement (the left arm is recommended).
- Sit quietly and remain still during measurement.
- Relax and avoid talking while measuring.
- Measure your blood pressure at approximately the same time each day.
- Do not take a measure immediately after physical activity or a bath. Rest for 20–30 minutes before measurement.
- Avoid measuring under the following conditions, as results may be inaccurate:
 - After eating, drinking alcohol, coffee, or tea.
 - Immediately after exercise.
 - While talking, anxious, or emotionally upset.
 - While moving, bending forward, or in places with fluctuating room temperatures.
 - Inside a moving vehicle.
 - During repeated or continuous measurements without sufficient rest.

(2) Taking a Measurement

- 1) Fasten the cuff according to the instructions in the section "How to Apply the Arm Cuff." Start the measurement only after the cuff is properly positioned.
- 2) Press the " $\frac{\text{START}}{\text{STOP}}$ " button. The monitor will automatically inflate the cuff and display "00". Once the measurement is complete, the results will be displayed automatically.



Note:

- If you feel any discomfort during the measurement, press the " $\frac{\text{START}}{\text{STOP}}$ " button immediately to stop the measurement.
- If you receive unexpected or inconsistent readings, consult your doctor.

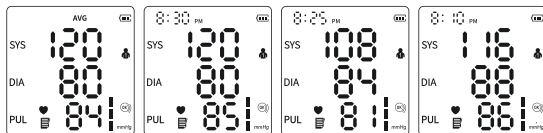
(3) Memory Function

1) Automatic Storage

Each measured is automatically stored under the corresponding user group. The device can store up to 199 measurements per user (User 1 and User 2). Once the memory is full, the oldest data will be replaced with new readings.

2) Viewing Stored Data

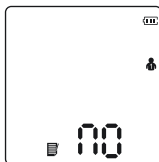
In power-off mode, press the "☰" button once to display the average of the last 2-3 blood pressure measurements. Press the "☰" button again to display the most recent measurement. Press the "☰" button once more to view the remaining stored measurements one by one.



3) Deleting Memory

In power-off mode, press the "⊗" button to select the user profile whose measurements you want to delete.

Press the [START/STOP] button to turn off the device. Then, press the "☰" button once to activate the screen. Press and hold the "☰" button for about 3 seconds to delete the selected user's measurement data. The "no" icon will appear on the screen to confirm deletion.



(4) Cuff Worn Detection

The "OK" icon will appear on the screen when the cuff is wrapped correctly. If the cuff is too loose, the "OK" icon will flash to remind you. If the "OK" icon is flashing, press the [START/STOP] button to stop the measurement, then rewrap the cuff properly before measuring again.

(5) Keep Still Indication

The "Person" icon flashes if you move your body or arm during measurement, which may cause inaccurate results. Please remain still, adjust your posture if necessary, and repeat the measurement.

(6) Turn Off the Unit

Press [START/STOP] button to turn off the monitor. The monitor will automatically turn off after 1 minute of inactivity.

13. Specifications

Feature	Specification	
Model	AHG-300	
Display	LED screen	
Measuring Method	Oscillometric measurement	
Measuring Part	Upper arm	
Pneumatic Pressure Measuring Range	0–295 mmHg (0–39.3 kPa)	
Maximum Pressure Protection	295 mmHg (39.3 kPa)	
Measurement Range	Blood pressure	SYS 57–255 mmHg (7.6–34.0 kPa); DIA 25–195 mmHg (3.3–26.0 kPa)
	Pulse rate	40–199 bpm
Accuracy of Cuff Pressure	± 3 mmHg (± 0.4 kPa)	
Accuracy of Pulse Rate	$\pm 5\%$	
Low Battery	When power is lower than $4.0\text{ V} \pm 0.1\text{ V}$, the device will automatically turn off.	
Power Source	4 × AAA batteries or DC 5V / 1A (Type-C power supply)	
Memory Capacity	2 users x 199 memories + guest mode	

Dimension	130 mm (L) × 100 mm (W) × 49 mm (H)		
Screen Size	67 mm (L) × 68 mm (W) (3.7 inches)		
Cuff Size	22–42 cm (8.6–16.5 inches)		
Weight	Approx. 221 g (without batteries)		
Anti Electronic Shock Type	Internal power supply		
Auto Power-off	After 1 minute of inactivity		
Anti Electronic Shock Degree	Type BF		
Operation Mode	Continuous operation		
Protection Against Ingress of Water/Particles	IP21		
Service Life	Lifetime international warranty		
Cuff Service Life	10,000 measurements		
Protection Against Electric Shock	Internally powered ME equipment (battery use only); Class II ME equipment (with AC adapter)		
Operating Environment	Temperature	(5°C–40°C)	If used or stored outside the specified temperature or humidity range, measurements may be inaccurate.
	Humidity	15%–90%RH	
	Atmospheric Pressure	70–106 kPa	

Transportation and Storage Environment	Avoid strong shocks, impacts, or exposure to direct sunlight or rain during transportation. Store the monitor and accessories in a clean, dry, and safe place. Remove the cuff from the monitor and gently fold the air tube into the cuff before storage. Storage Conditions: Temperature: -20°C–55°C Relative Humidity: 10%–93% RH Atmospheric Pressure: 70–106 kPa Environment: Free from corrosive gases, with good ventilation.
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Clinical Validation: This product was clinically investigated in accordance with ISO 81060-2 requirements.

Essential Performance

Measurement Range (Blood Pressure):

- Systolic (SYS): 57–255 mmHg
- Diastolic (DIA): 25–195 mmHg
- Pulse rate: 40–199 bpm

Accuracy:

- Blood Pressure: ± 3 mmHg (± 0.4 kPa)
- Pulse rate: $\pm 5\%$
- Cuff Pressure Accuracy: ± 3 mmHg (± 0.4 kPa)
- Pulse Rate Accuracy: $\pm 5\%$

Note: The specified power supply should meet the following requirements:

- Output voltage: DC 5V
- Output current: 1000 mA
- Compliance with IEC 60601-1
- Provides at least two MOPP insulation between AC input and DC output
- Comply with US and Canadian deviation requirements
- Class II equipment

14. Warnings and Cautions

Warnings:

- *Do not perform maintenance or servicing while the device is in use.*
- *Too frequent measurements may cause injury to the patient due to interference with blood flow.*
- *Consult your physician before using this monitor on an arm with intravascular access, therapy, or an arteriovenous (A-V) shunt, as cuff inflation may temporarily interfere with blood flow and cause injury.*
- *Consult your physician before using this monitor on the arm on the same side as a mastectomy or lymph node clearance.*
- *Do not use this monitor simultaneously on the same limb with other medical electrical (ME) equipment, as this may cause temporary loss of function or inaccurate measurements.*
- *Check regularly whether operation of the arm blood pressure monitor causes prolonged impairment of blood circulation by observing the limb concerned.*
- *Use only components (e.g., cuff) provided or approved by the manufacturer; otherwise, measurement accuracy may be affected.*
- *Do not modify this equipment in any way.*
- *To avoid strangulation, keep the air tube and Type-C cable away from infants, toddlers, and children.*
- *Keep small parts (such as the battery cover) out of reach of children. Children may swallow them accidentally. If ingestion occurs, seek medical attention immediately.*
- *The cuff complies with ISO 10993-5, ISO 10993-10, and ISO 10993-23 biocompatibility requirements. However, a few sensitive individuals may experience allergic reactions.*
- *Do not use this monitor on an injured arm or one under medical treatment.*

Cautions:

- *Do not perform measurements more frequently than necessary. Repeated measurements may cause bruising due to interference with blood flow.*
- *Maintenance should only be performed by the manufacturer or as advised by the manufacturer.*
- *When the ambient temperature is below 5°C, take the device to a location where the temperature is between 5°C and 40°C for at least 1 hour. If the temperature exceeds 40°C, move the device to a location where the temperature is between 5°C and 40°C for at least 2 hours.*
- *DO NOT use this monitor on infants, toddlers, children, or individuals who cannot communicate.*
- *DO NOT base any medication decisions on the readings from this device. Consult your physician for specific information regarding your blood pressure. Self-diagnosis or self-medication is not recommended; always follow your physician's or healthcare provider's instructions.*
- *DO NOT use this device while undergoing intravenous (IV) therapy or a blood transfusion.*
- *DO NOT use this monitor in areas with high-frequency (HF) surgical equipment, magnetic resonance imaging (MRI) equipment, or computerized tomography (CT) scanners, as this may cause incorrect operation or inaccurate readings.*
- *Ensure that the cuff is not placed on an arm with arteries or veins undergoing medical treatment, such as intravascular access or an arteriovenous (AV) shunt.*
- *Consult your physician before using this monitor if you have conditions such as arrhythmias (e.g., atrial or ventricular premature beats, atrial fibrillation), arterial sclerosis, poor perfusion, diabetes, pregnancy, pre-eclampsia, or renal disease.*
- *Stop using the monitor and consult your physician if you experience skin irritation or discomfort.*

Cautions:

- *Consult with your physician before using this monitor if you have severe blood flow problems or blood disorders, as cuff inflation may cause bruising.*
- *DO NOT use this monitor for any purpose other than measuring blood pressure and pulse rate.*
- *DO NOT disassemble or attempt to repair this monitor or any of its components, as this may result in inaccurate readings.*
- *DO NOT use this monitor in areas with moisture or where water could splash onto it, as this may damage the device.*
- *DO NOT use this monitor in a moving vehicle (such as a car), as it may affect the accuracy of the readings.*
- *DO NOT drop or subject this monitor to strong shocks or vibrations, as this may damage the device.*
- *Do not use or store the monitor outside the manufacturer's specified conditions (e.g., extreme temperatures or humidity), as this may affect performance or cause inaccurate measurements.*
- *If performance changes (such as inaccurate readings or abnormal display), stop using the monitor immediately and contact customer service for assistance.*

15. Common Q&A on Blood Pressure

Q1: Why is the blood pressure value obtained at home lower than that obtained at the hospital?

- The blood pressure measured at home is often 20–30 mmHg (2.7–4.0 kPa) lower than at the hospital. This difference occurs because individuals are usually more relaxed at home than in a clinical setting.
- In addition, if the device is positioned above heart level, the measured value may be lower than the actual blood pressure. Ensure that the cuff is positioned at heart level during measurement.

Q2: Why is the blood pressure value obtained at home higher than that obtained at the hospital?

- Your antihypertensive medication may have lost its effectiveness.
→ Please follow your doctor's instructions.
- If the cuff is not positioned correctly, the reading may be inaccurate.
→ Ensure the cuff is placed correctly on the upper arm.
- If the cuff is too loose.
→ If the cuff is too loose, the pressure may not be transmitted properly to the artery, resulting in a falsely high reading. Re-adjust and tighten the cuff securely.
- The posture during measurement may be incorrect.
→ Slouching, leaning, or crossing your legs can raise abdominal pressure or cause the arm to be positioned below heart level, leading to inaccurate readings. Always sit upright with feet flat on the floor and arm supported at heart level during measurement.

Q3: When can I obtain better measurements?

- For the most accurate results, take your blood pressure in the morning after urinating or when your mind and body are calm and relaxed.
- Try to measure your blood pressure at the same time each day for consistency.

Q4: Why do blood pressure readings differ each time?

Natural fluctuations in blood pressure:

Blood pressure naturally fluctuates with each heartbeat. For example, a person with a pulse rate of 70 beats per minute experiences about 100,800 blood pressure changes per day. Because of this natural variation, a single measurement may not reflect your true blood pressure. It is recommended to take 2–3 consecutive measurements, with a short rest between each one.

The first reading is often slightly higher due to nervousness or insufficient relaxation. The second reading is typically 5–10 mmHg (0.7–1.3 kPa) lower, as you become more relaxed.

This difference is more noticeable in individuals with higher blood pressure.

When taking continuous measurements, be aware that the arm may become temporarily compressed, which can reduce blood flow and affect results.

If this occurs:

- Remove the cuff and rest your arm.
- Raise your arm above heart level and gently open and close your hand about 15 times to restore circulation.
- Wait a few minutes, then repeat the measurement.

Cuff position and wrapping method

Measurement accuracy can vary depending on how the cuff is positioned and wrapped. If the cuff is wrapped too low or around the elbow, the measurement will not be accurate.

Please ensure that: The cuff is wrapped correctly around the upper arm, about 2–3 cm above the elbow.

- The cuff is snug but not too tight.
- The arm circumference range for the included cuff is 22–42 cm (measured at the midpoint of the upper arm).
- If your arm size does not match this range, please use a compatible cuff model purchased separately.

16. Abnormal Phenomena and Handling

If the measurement is abnormal, one of the following error conditions may occur. Please follow the recommended handling method.

Errors	Cause/Solution
Er U	The pressure cannot reach 30 mmHg (4 kPa) within 12 seconds.
Er H	The pressure exceeds 295 mmHg (39.3 kPa), and the monitor automatically deflates 20 ms.
Er 1	Pulse rate not detected correctly.
Er 2	Excessive movement or talking during the measurement.
Er 3	Measurement result is abnormal.
Er 23	SYS value is lower than 57 mmHg.
Er 24	SYS value is higher than 255 mmHg.
Er 25	DIA value is lower than 25 mmHg.
Er 26	DIA value is higher than 195 mmHg.

Troubleshooting

Anomaly	Possible Faulty	Solution
Failure to power on	Power is insufficient	Replace the batteries or connect the power adapter.
	Batteries are installed incorrectly (reversed polarity)	Install the batteries correctly, following the +/- symbols.
No pressurizing	Air tube plug is not fully inserted	Insert the air tube plug firmly into the port.
	Air tube or cuff is damaged or leaking	Contact your dealer to replace the cuff.
Unable to measure (display error)	Arm moved during pressurization	Keep your arm and body still during measurement.
	Talking during measurement.	Remain quiet while measuring blood pressure.
Air leakage from the cuff	Cuff is wrapped too loosely.	Re-wrap and tighten the cuff securely.
	Cuff airbag is damaged.	Contact your dealer to replace the cuff.



If the blood pressure measurement still cannot be performed after following the above solutions, please contact your dealer.

DO NOT attempt to disassemble or repair the device yourself.

17. Cleaning and Disinfection

(1) Cleaning

Clean the device using a soft, clean cloth dampened with a small amount of neutral detergent or water.

It is recommended to clean the monitor before and after each use.

Each cleaning process should be completed within 3 minutes.

The number of repeated cleanings each time should not exceed 3.

**Warnings:**

- *Do not use corrosive cleaning agents.*
- *Do not immerse any part of the monitor in liquid to prevent moisture from entering the instrument.*

(2) Disinfection

Recommended Disinfectant: 75% medical alcohol

Procedure:

- 1) Wipe the device carefully with a soft, clean cloth dampened with a small amount of 75% medical alcohol.
- 2) Immediately dry the surface with a soft, clean, dry cloth.

Alternatively, the device body can also be disinfected by gently wiping it with a soft, clean cloth dampened with 75% medical alcohol.

**Warnings:**

- *Do not disinfect using high-temperature steam or ultraviolet radiation. These methods may damage the device or reduce its service life.*
- *It is recommended to disinfect the monitor before and after each use.*
- *Each disinfection process should be completed within 1 minute.*
- *The number of repeated disinfections each time should not exceed 2.*

(3) Disposal

Dispose of the monitor, its components, and any optional accessories in accordance with applicable local regulations. Improper disposal may cause environmental pollution.

Notes:

- *Do not bend or excessively crease the air tube.*
- *Do not store the monitor or its components in the following conditions:*
 - *If the monitor or any of its parts is wet.*
 - *In locations with extreme temperatures, high humidity, direct sunlight, dust, or corrosive gases.*
 - *In areas subject to strong vibrations or shocks.*

18. Maintenance and Care



Water or Neutral Detergent



- Always keep the device surface clean and free of dust to help prolong its service life.

To clean the device:

- Wipe with a dry, soft cloth.
- If dirt cannot be removed easily, use a soft cloth slightly dampened with water or a neutral detergent, then dry thoroughly with a dry cloth.

It is recommended to calibrate the monitor at least once a year. Contact the manufacturer or authorized agent for calibration services.



Do not allow water or other liquids to enter the device. If liquid enters the device or cuff and causes damage, the arm blood pressure monitor should no longer be used.

19. Appendix 1 — EMC Information

Guidance and Manufacturer's Declaration – Electromagnetic Emissions		
The arm blood pressure monitor is intended for use in the electromagnetic environment described below. The customer or user should ensure that it is used in such an environment.		
Emissions	Compliance	Electromagnetic Environment – Guidance
RF Emissions CISPR 11	Group 1	The arm blood pressure monitor uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause interference in nearby electronic equipment.
RF Emissions CISPR 11	Class B	The arm blood pressure monitor is suitable for use in all establishments, including domestic environments and those directly connected to the public low-voltage power supply network.
Harmonic Emissions IEC 61000-3-2	N.A	
Voltage Fluctuations / Flicker Emissions IEC 61000-3-3	N.A	

Guidance and Manufacturer's Declaration – Electromagnetic Immunity

The arm blood pressure monitor is intended for use in the electromagnetic environment described below. The customer or user should ensure that it is used in such an environment.

Immunity Test	IEC 60601 Test Level	Compliance Level
Electrostatic discharge (ESD) IEC 61000-4-2	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air
Electrical fast transient/burst IEC 61000-4-4	±1 kV signal input/output 100 kHz repetition frequency	±1 kV signal input/output 100 kHz repetition frequency
Surge IEC 61000-4-5	Not applicable	Not applicable
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	Not applicable	Not applicable
Power frequency Magnetic field IEC 61000-4-8	30 A/m, 50/60 Hz	30 A/m, 50/60 Hz
Conducted RF	3V signal input/output;	3V signal input/output; 0.15 MHz-80 MHz
IEC 61000-4-6	6V in ISM and amateur radio bands between 0.15 MHz and 80 MHz 80% AM at 2 Hz	6V in ISM and amateur radio bands between 0.15 MHz and 80 MHz 80% AM at 2 Hz
Radiated RF IEC 61000-4-3	10 V/m 80 MHz - 2.7 GHz 80% AM at 2 kHz	10 V/m 80 MHz - 2.7 GHz 80% AM at 2 kHz

Note: *UT is the AC mains voltage prior to application of the test level.*

Guidance and Manufacturer's Declaration - Electromagnetic Immunity

The arm blood pressure monitor is intended for use in the electromagnetic environment described below. The customer or user should ensure that it is used in such an environment.

Radiated RF0-4-3 (Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communications equipment)										Test Frequency (MHz)									
930	870	810	780	745	710	450	385												
800-960			704-787			430-470	380-390												
GSM 800/900, TETRA 800, DEN 820, CDMA 850, LTE Band 5			LTE Band 13, 17			GMRS 460, FRS 460	TETRA 400												
Pulse modulation 18 Hz			Pulse modulation 217 Hz			FM ± 5 kHz deviation 1 kHz sine	Pulse modulation 18 Hz												
2			0.2			2	1.8												
0.3			0.3			0.3	0.3												
28			9			28	27												
28			9			28	27												

Guidance and Manufacturer's Declaration - Electromagnetic Immunity

The arm blood pressure monitor is intended for use in the electromagnetic environment described below. The customer or user should ensure that it is used in such an environment.

Radiated RF0-4-3 (Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communications equipment)									
5785	5500	5240	2450	1970	1845	1720	Test Frequency (MHz)		
5100-5800			2400-2570	1700-1990			Band (MHz)		
WLAN 802.11 a/n			Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; UMTS			Service		
Pulse modulation 217 Hz			Pulse modulation 217 Hz	Pulse modulation 217 Hz			Modulation		
0.2			2	2			Max. Power (W)		
0.3			0.3	0.3			Distance (m)		
9			28	28			IEC 60601-1-2 Test Level (V/m)		
9			28	28			Compliance Level (V/m)		

Guidance and Manufacturer's Declaration - Electromagnetic Immunity

Radiated RF IEC 61000-4-39 (Test specifications for ENCLOSURE PORT IMMUNITY to proximity magnetic fields)	Test Frequency	Modulation	IEC 60601-1-2 Test Level (A/m)	Compliance Level (A/m)
	30 kHz	CW	8	8
	134.2 kHz	Pulse Modulation 2.1 kHz	65	65
	13.56 kHz	Pulse Modulation 50 kHz	7.5	7.5



Warnings:

- *Use of accessories, transducers, and cables other than those specified or provided by the manufacturer of this equipment may result in increased electromagnetic emissions or decreased electromagnetic immunity, leading to improper operation.*
- *Portable RF communication equipment (including peripherals such as antenna cables and external antennas) should be kept at least 30 cm (12 inches) away from the device and its parts to prevent performance degradation.*
- *Avoid using this equipment adjacent to or stacked with other equipment, as it may cause improper operation. If such use is necessary, observe both this equipment and the other equipment to verify that they operate normally.*
- *Do not use this device near active HF surgical equipment or in the RF-shielded room of a medical electrical (ME) system for magnetic resonance imaging (MRI) where electromagnetic disturbances are high.*

Notice: *If any serious incident related to the device occurs, users or patients should report it to the manufacturer and to the competent authority of the Member State in which you are established.*

American Health Gate Co., LLC Limited Warranty

Limited Warranty. American Health Gate Co., LLC ("AHG") warrants AHG Blood Pressure Monitor AHG-300 (the "Product") purchased from AHG, an AHG affiliate or an authorized AHG dealer at the point of original sale, shall be free of manufacturing defects in workmanship and material for the lifetime of the original retail purchaser (the "**Purchaser**") from the date of the original purchase (the "Warranty Period").

Non-Transferable. This Limited Warranty is to the Purchaser only and is not transferable to any other person or entity.

Exclusions from Warranty Coverage. AHG has no obligation under this Limited Warranty with respect to any defect or damage to the Product arising from any abuse, improper use or mishandling of the Product. The Limited Warranty shall not apply to any claimed defect or damage arising out of or being caused by any of the following, including, but not limited to:

- Failure to use the Product in accordance with AHG instructions or recommendations;
- Failure to assemble or install the Product according to AHG's instructions;
- Damage to the outside shield;
- Damage that has occurred during shipping;
- Removal, defacement or alteration of the serial number/QC seal;
- Routine maintenance items, normal wear and tear, cosmetic deterioration or electrical components damaged as a result of fluctuations in electric current;
- Warranty repairs made by anyone other than AHG or an authorized and qualified AHG dealer or designee;
- Damage or loss resulting from acts of nature, vandalism, theft, war or other events over which AHG has no control; or
- Exhaustion or depletion of consumable parts of the Product, including [batteries, cuff, USB-C cable, and packaging].

Warranty Process; Basis of Warranty. In the event that the Product appears to have defects in materials and/or workmanship under everyday use and service, Purchaser shall: (1) submit a claim for warranty online at

<https://americanhealthgate.com/contact-us> or via electronic mail or telephone, (2) provide the applicable information on the warranty card included in the instruction manual accompanying the Product and submit such warranty card to AHG or an authorized AHG dealer via postal mail, or (3) present the Product to AHG or to an authorized agent, dealer or distributor of AHG where Purchaser purchased the Product (the "Place of Purchase"). In the event Purchaser delivers the defective Product to the Place of Purchase, an authorized agent at the Place of Purchase shall inspect the Product to determine eligibility for replacement under the terms of this Limited Warranty. The authorized agent at the Place of Purchase shall submit a claim to AHG to confirm that any defects in the Product are covered under this Limited Warranty. Upon determination that defects in the Product are covered by the terms of this Limited Warranty, the Purchaser's recovery shall be in the form of replacement of the Product. The cost of shipping and packaging to return the Product to AHG or to an authorized AHG dealer will be the sole responsibility of the Purchaser.

Remedy. Purchaser's sole and exclusive remedy under this Limited Warranty in the event of a defect in material or workmanship in the Product or any part or component thereof, during the Warranty Period is that AHG or an authorized AHG dealer will replace the Product. In the event a specific model of a Product has been discontinued and replacement with an identical model is not possible, AHG or an authorized AHG dealer will replace the defective Product with the latest model of such Product. This Limited Warranty shall be deemed null and void if repairs are undertaken by persons not authorized by AHG and if original AHG parts are not used in the repair of such defective Product. This exclusive remedy will not be deemed to have failed of its essential purpose so long as AHG has made reasonable efforts to replace the defective parts.

LIMITATIONS ON LIABILITY. THIS WARRANTY IS GIVEN BY AHG IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED, STATUTORY, OR OTHERWISE. THERE IS NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE, WHETHER EXPRESS OR IMPLIED BY LAW, COURSE OF DEALING, COURSE OF PERFORMANCE, USAGE OF TRADE OR OTHERWISE. THE REPLACEMENT OF THE PRODUCT IS THE EXCLUSIVE REMEDY. AHG SHALL NOT BE LIABLE TO THE PURCHASER OR ANYONE ELSE FOR CONSEQUENTIAL, INCIDENTAL, SPECIAL, EXEMPLARY, INDIRECT, OR PUNITIVE DAMAGES, INCLUDING WITHOUT LIMITATION PERSONAL INJURY, DEATH, PROPERTY DAMAGE,

LOST PROFITS, LABOR COSTS, OR ANY OTHER PECUNIARY DAMAGE, WHETHER DUE TO ANY DEFECT, DELAY, NONDELIVERY, NONPERFORMANCE, RECALL, BREACH BY AHG, OR OTHER REASON, ALL CLAIMS IN TORT, STRICT LIABILITY, AND FAILURE OF ESSENTIAL PURPOSE ARE WAIVED AND EXCLUDED, INCLUDING CLAIMS OF AHG'S NEGLIGENCE. AHG SHALL NOT BE LIABLE TO THE PURCHASER OR ANYONE ELSE IN TORT, STRICT LIABILITY, OR ANY OTHER LEGAL OR EQUITABLE THEORY FOR ANY ALLEGED DEFECT IN THE DESIGN OR MANUFACTURE OF THE PRODUCT OR FOR THE OMISSION OR ALLEGED INADEQUACY OF ANY WARNING. EXCEPT FOR THE LIMITED WARRANTY HEREIN, THE PURCHASER ACCEPTS THE PRODUCT "AS IS" WITH ALL FAULTS AND ASSUMES THE RISK OF LOSS FOR ANY DEFECT OR NONCONFORMITY. PURCHASER WAIVES, RELIEVES AND RELEASES AHG FROM ANY AND ALL CLAIMS, CAUSES OR RIGHTS OF ACTION, AND LIABILITY FOR ANY REDHIBITORY, PATENT, OR LATENT VICES, WHETHER BY STATUTE OR COMMON LAW, OBVIOUS OR UNKNOWN, EASILY DISCOVERABLE OR HIDDEN, EXCEPT AS SPECIFICALLY PROVIDED IN THE WARRANTY. UNDER NO CIRCUMSTANCES SHALL AHG'S LIABILITY FOR ANY DEFECT IN THE PRODUCTS, WHETHER BASED ON CONTRACT, TORT, WARRANTY, STRICT LIABILITY, OR ANY OTHER THEORY, EXCEED THE PURCHASE PRICE OF THE DEFECTIVE PRODUCT. THERE ARE NO THIRD-PARTY BENEFICIARIES TO THIS AGREEMENT.

PURCHASER ACKNOWLEDGES AND DECLARES THAT PURCHASER HAS READ AND UNDERSTANDS ALL TERMS AND AGREES TO BE SO BOUND, AND THAT PURCHASER'S RECEIPT OF THE WARRANTY AND PRODUCT, AND ANY PAYMENT FOR THESE, SIGNIFIES THAT PURCHASER HAS VOLUNTARILY AND KNOWINGLY CONSENTED TO ALL TERMS, INCLUDING THE WAIVERS AND LIMITATIONS CONTAINED HEREIN.

Legal Rights. Some countries and/or states do not allow limitation on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to Purchaser. This Limited Warranty gives you, the Purchaser, specific legal rights, which may vary from country to country and/or state to state. This Limited Warranty is understood to be the exclusive agreement between the parties relating to the subject matter hereof. No employee or representative of AHG is authorized to make any warranty in addition to those made in this agreement.

**American
Health
Gate**

American Health Gate Warranty Card

Please complete the warranty card that came with this product and mail it to:

American Health Gate LLC

450 Alaskan Way S., Suite 200, Seattle, WA 98104, USA

AHG Customer Support: +1 888 881 3479

www.americanhealthgate.com

Customer Name: _____

Telephone Number: _____

Email Address: _____

Where purchase: _____

Date of purchase: _____

Model: _____ Batch NO.: _____



Head office:

American Health Gate LLC

450 Alaskan Way S., Suite 200, Seattle, WA 98104, USA

www.americanhealthgate.com