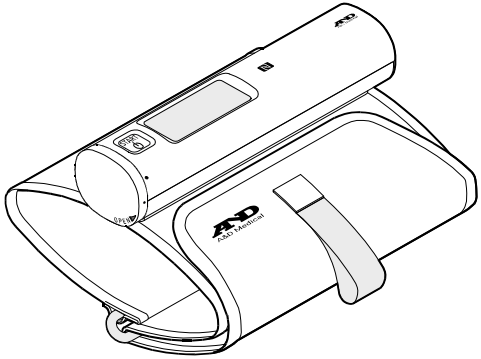
Digital Blood Pressure Monitor

Model UA-1100NFC

Instruction Manual

ORIGINAL



1WMPD4005485B

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Contents

Dear Customers

Thank you for purchasing an A&D blood pressure monitor. Designed for ease of use and accuracy, this device will facilitate your daily blood pressure regimen. We recommend that you read through this manual carefully before using the device for the first time.

Preliminary Remarks

The device is designed for use by people 13 years and older, not newborns, infants or pregnant women.

Intended Purpose

The UA-1100NFC digital blood pressure monitor is intended to be used by patients to measure systolic and diastolic blood pressure and pulse rate in the home environment. The UA-1100NFC provides the patient with an indication of an irregular heartbeat allowing further medical attention to be sort.

Clinical Benefit

Successful assessment of blood pressure reading in accordance with the device's intended purpose.

Precautions

- ❑ Precision components are used in the construction of this device. Extremes in temperature, humidity, direct sunlight, shock or dust should be avoided.
- ❑ Clean the device and cuff with a dry, soft cloth or a cloth dampened with water and a neutral detergent. Never use alcohol, benzine, thinner or other harsh chemicals to clean the device or cuff.
- ❑ Avoid tightly folding the cuff for long periods, as such treatment may shorten the life of the components.
- ❑ Measurements may be distorted if the device is used close to televisions, microwave ovens, cellular telephones, X-ray or other devices with strong electrical fields.

- ❑ Wireless communication devices, such as home networking devices, mobile phones, cordless phones and their base stations, and walkie-talkies can affect this device. Keep away from these devices at least 30 cm during measurement.
- ❑ When reusing the device, confirm that the device is clean.
- ❑ Used equipment, parts and batteries are not treated as ordinary household waste, and must be disposed of according to the applicable local regulations.
- ❑ Do not modify the device. It may cause accidents or damage to the device.
- ❑ To measure blood pressure, the arm must be squeezed by the cuff hard enough to temporarily stop blood flow through the artery. This may cause pain, numbness or a temporary red mark to the arm. This condition will appear especially when measurement is repeated successively. Any pain, numbness, or red marks will disappear with time.
- ❑ Measuring blood pressure too frequently may cause harm due to blood flow interference. Check that the operation of the device does not result in prolonged impairment of blood circulation, when using the device repeatedly.
- ❑ If you have had a mastectomy or lymph node clearance, please consult a doctor before using the device.
- ❑ Do not let children use the device by themselves and do not use the device in a place within the reach of infants. This may cause accidents or damage.
- ❑ There are small parts that may cause a choking hazard if swallowed by mistake by infants.
- ❑ Should the battery short-circuit, it may become hot and potentially cause burns.
- ❑ Allow the device to adapt to the surrounding environment before use (about one hour).
- ❑ Clinical testing has not been conducted on newborn infants and pregnant women. Do not use on newborn infants or pregnant women.
- ❑ Do not touch the batteries, and the patient at the same time. That may result in electrical shock.
- ❑ Do not inflate without wrapping the cuff around the upper arm.
- ❑ This is a medical device for use by layperson. Please consult your healthcare provider with any questions or concerns you may have regarding your condition.
- ❑ When any serious incident occurs in relation to this device, report to its manufacturer and the competent authority in your country.
- ❑ Confirm for proper operation before use, if the packaging is damaged, unintentionally opened and exposed to environmental conditions outside of those specified.
- ❑ This device is not intended to diagnose heart arrhythmias. If the Irregular Heart Beat indicator illuminates frequently and is unrelated to patient movement during blood pressure measurement, further medical attention must be sort.

Contraindications

The following are precautions for proper use of the device.

- ❑ Do not apply the cuff on an arm with another medical electrical equipment attached. The equipment may not function properly.
- ❑ People who have a severe circulatory deficit in the arm must consult a doctor before using the device, to avoid medical problems.
- ❑ Do not self-diagnose the measurement results and start treatment by yourself. Always consult your doctor for evaluation of the results and treatment.
- ❑ Do not apply the cuff on an arm with an unhealed wound.
- ❑ Do not apply the cuff on an arm receiving an intravenous drip or blood transfusion. It may cause injury or accidents.
- ❑ Do not use the device where flammable gases such as anesthetic gases are present. It may cause an explosion.
- ❑ Do not use the device in highly concentrated oxygen environments, such as a high-pressure oxygen chamber or an oxygen tent. It may cause a fire or explosion.
- ❑ Do not provide any servicing and perform maintenance while the medical device is in use.
- ❑ Do not use the device for any other purpose.
- ❑ Do not drop or shake the device.
- ❑ Keep away from strong source of static electricity and radio wave.
- ❑ Keep away from communication devices (ex. mobile phone) at least 30 cm during measurement.
- ❑ Do not use phone during the blood pressure measurement.
- ❑ Do not operate with wet hand.
- ❑ Do not use the device with other instruments.
- ❑ Do not disassemble, repair and modify the device.
- ❑ Use the device after consulting with your doctor and confirming no advance effect, if you use a pacemaker or other implanted medical device.
- ❑ Read through this manual and comprehend the device features before use.
- ❑ Stop the measurement when it seems that inflation pressure will exceed 300 mmHg in pressurizing.
- ❑ Those with peripheral circulatory abnormalities or arrhythmia, have had lymph nodes or the mammary gland removed, have experienced intravascular insertion, treatment or arteriovenous shunt should use the device following doctor's instruction.

Cautions for using batteries

- ❑ Only use three LR03 (AAA size) alkaline batteries.
- ❑ Do not mix old, new and different type batteries.
- ❑ If battery liquid invades your eye, rinse it off with plenty of water immediately. Be sure to consult a doctor.
- ❑ If your skin or cloth is contaminated by battery liquid, rinse off it with plenty of water immediately.
- ❑ Replace all batteries with new ones at the same time.
- ❑ Dispose the used battery according to the applicable local regulations.

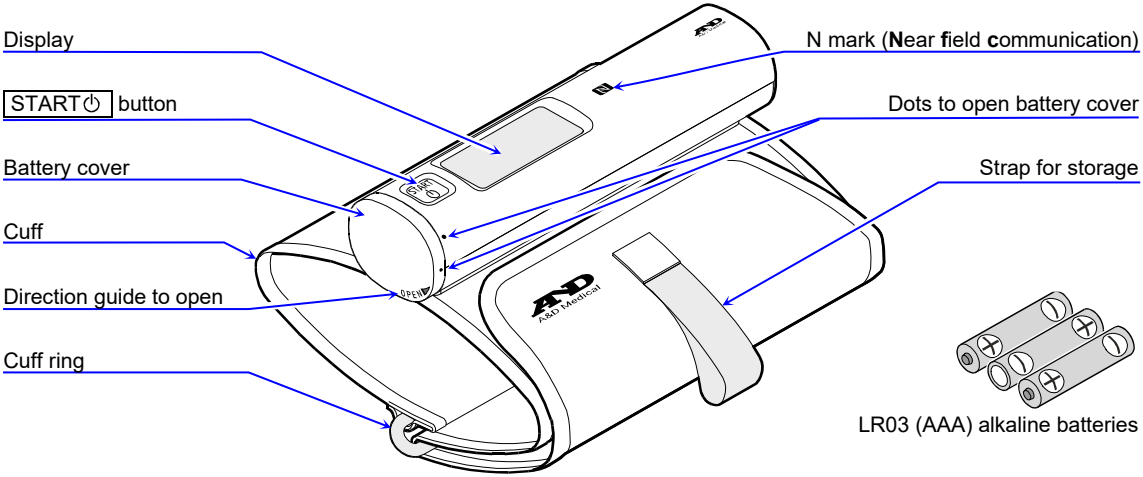
Cautions for use and storage

- ❑ Storage the device where is stable place that there is no tilt, vibration and impact (including transportation).
- ❑ Long-term use or device malfunction may cause the device's temperature to rise. When an anomaly occurs, stop using to avoid burns.

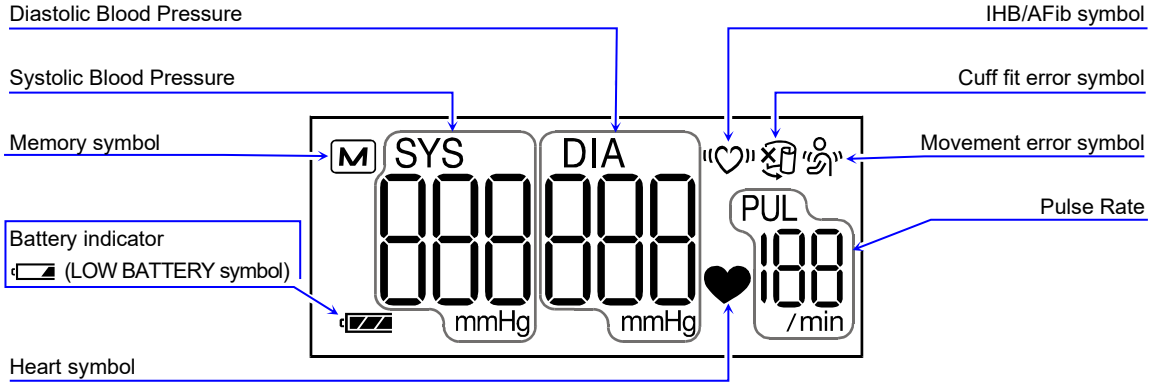
Cautions for inspection and repairment

- ❑ Stop the use and contact your dealer to request repairment when finding an error.

Parts Identification



Display



Symbols

The symbols that are printed on the device, cuff and the packaging.

Symbols	Function / Meaning
START ⏻	Press the START⏻ button to turn on the device. Press the START⏻ button to enter standby mode during measurement.
⊕ LR03(AAA) ⊖	Direction guide of battery installation
⊕ / ⊖	Terminal of positive polarity on battery / terminal mark of negative polarity on battery
OPEN	To open the battery cover
	Trademarks or registered trademarks of the NFC (**N**ear **F**ield **C**ommunication) Forum in the United States and other countries.
●	Align dots to open and close the battery cover.
⎓	Direct current
	Type BF applied part
	Manufacturer
IP	International protection symbol
	WEEE label
GTIN	Global trade item number
SN	Serial number
	Refer to instruction manual
LOT	Lot number
	Keep dry
	Temperature limit
	Humidity limitation

Symbols	Function / Meaning
	Atmospheric pressure limitation

Symbols that appear on the display

Symbols	Function / Meaning	Recommended Action
SYS	Systolic blood pressure in mmHg	————
DIA	Diastolic blood pressure in mmHg	————
PUL	Pulse per minute	————
	Appears while measurement is in progress. It blinks when the pulse is detected.	Measurement is in progress. Remain as still as possible.
	Appears when IHB/AFib symbol (**I**rregular **h**eart**b**eat / **A**trial **fib**rillation) is detected. It may light when a very slight vibration like shivering or shaking is detected.	Apply the cuff correctly, then take another measurement. If the "♡" symbol continues to appear, we recommend you to consult with your physician.
	Appears when a body or arm movement is detected.	The reading may yield an incorrect value. Try the measurement again. Remain still during measurement.
	Appears during measurement when the cuff is applied loosely.	The reading may yield an incorrect value. Apply the cuff correctly, and try the measurement again.
	Previous measurements stored in MEMORY.	————
	FULL BATTERY The battery power indicator during the measurement.	————
	LOW BATTERY The battery is low when it blinks.	Replace all batteries with new ones when the mark blinks.

Symbols	Function / Meaning	Recommended Action
Err	Unstable blood pressure due to movement during the measurement.	Take another measurement. Remain very still during the measurement.
	The systolic and diastolic blood pressure values are within 10 mmHg from each other.	Apply the cuff correctly, and take another measurement.
ErrCUF	The pressure value did not increase during the inflation.	
	The cuff is not applied correctly.	
E	PUL DISPLAY ERROR The pulse is not detected correctly.	
Err E	An internal error of the device	Remove the batteries and press the START⏻ button, and then install the batteries again. If the error still appears, contact the dealer.
Err 9		
nFc	In NFC communication	————

Using the Monitor

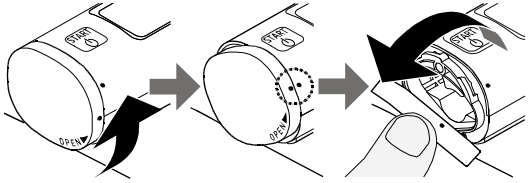
Inserting / Changing the Batteries

Cautions

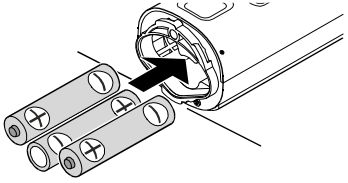
- ❑ When the batteries are removed, the last data stored in the device is deleted.
- ❑ Insert the batteries as shown in the battery compartment. If inserted incorrectly, the device will not work.
- ❑ When (LOW BATTERY symbol) blinks in the display, replace all batteries with new ones. Do not mix old and new batteries. It may shorten the battery life, or cause the device to malfunction.
  After the device turns off, wait a few seconds before replacing the batteries.
  If (LOW BATTERY symbol) appears even after the batteries are replaced, take a blood pressure measurement. The device may then recognize the new batteries.
- ❑ (LOW BATTERY symbol) does not appear when the batteries are drained.

- ❑ The battery life varies with the ambient temperature and may become shorter at low temperatures. Generally, three new LR03 (AAA) batteries will last approximately for one year when used once for measurement each day.
- ❑ Use the specified batteries only. The batteries provided with the device are for testing and may have a limited life.
- ❑ Remove the batteries if the device is not to be used for a long time. The batteries may cause leakage and operational issues.

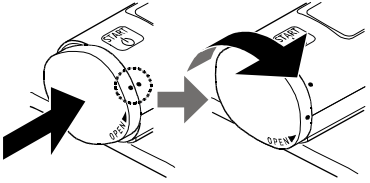
1. **Remove the battery cover.**
   Turn the battery cover counterclockwise (guide symbol : OPEN) until the dots are matched.
   Release the hooks under the battery cover by tilting then lift it up.



2. **Insert new batteries.**
   Use only LR03 (AAA) batteries.
   Remove the used batteries and insert new batteries into the battery compartment as shown, making sure that the polarities (+) and (−) are correct.

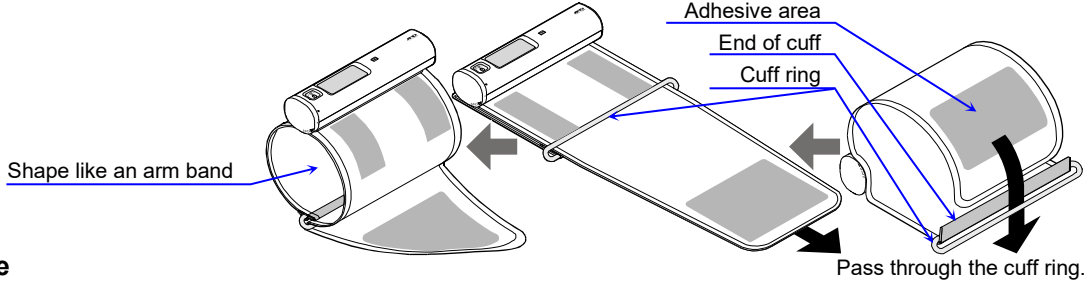


3. **Close the battery cover.**
   Match the dots and attach the battery cover.
   Press and turn the battery cover clockwise.



Applying the Cuff on Left Upper Arm

1. **Make a shape of the cuff like an arm band.**



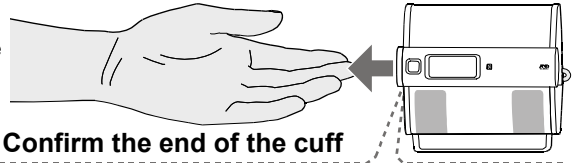
Note

How to make a shape like an arm band.

When the cuff is not already through in the cuff ring, pass the cuff into the cuff ring in condition of facing adhesive area to outside.

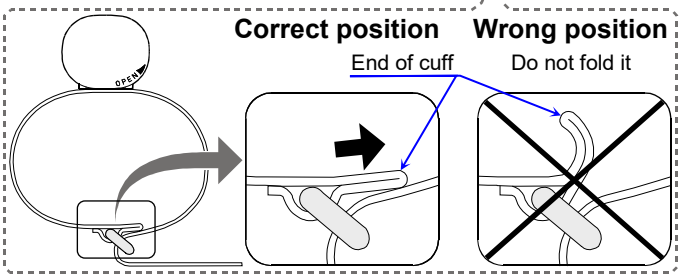
2. **Pass your arm through the cuff.**

Stretch your arm. Pass your arm through the cuff tube so that the monitor unit exists above your palm.

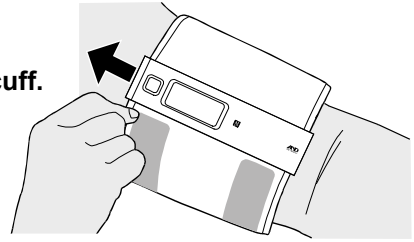


Note

If the cuff is wrapped in folding the end of the cuff, your skin may be put between the cuff ring and cuff. When you see skin or cloth inside the cuff ring after wrapping the cuff, wrap the cuff again.

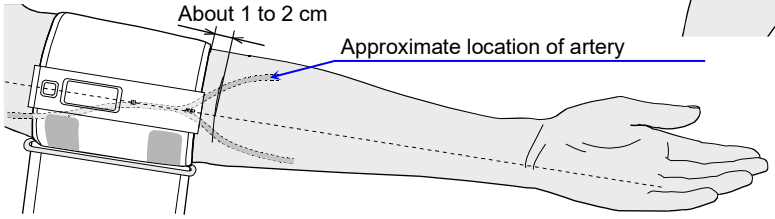


3. **Pull the cuff up to your upper arm.**



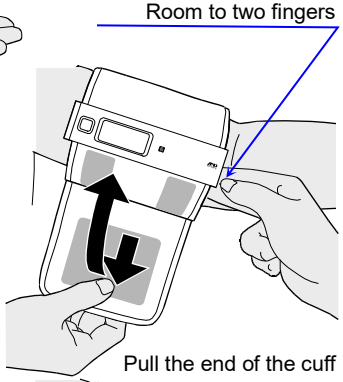
4. **Turn your palm upwards. Adjust the position of the cuff.**

Turn your palm upwards and put the cuff about 1 to 2 cm above the elbow, as the illustration shows. Place the cuff on extension line of the ring finger.



5. **Wrap the cuff.**

Have room to insert two fingers and wrap the cuff while pulling the end of the cuff gently.



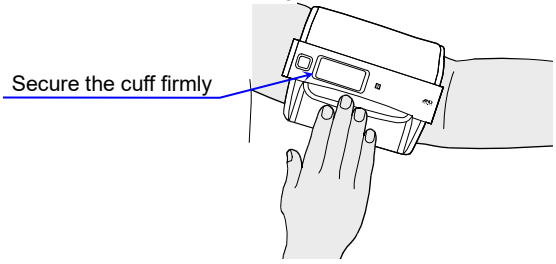
Note

Do not wrap the cuff tightly.

Do not pull strongly the strap because it is used for storage.

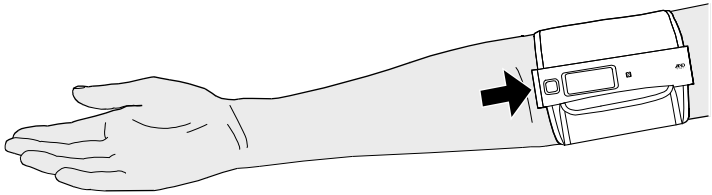
6. **Secure the cuff using the adhesive face.**

Press the surface of the cuff to secure it firmly.



If you want to warp the cuff on your right arm, ...

You can wrap the cuff on your right arm in the same way of the "**Applying the Cuff on Left Upper Arm**".



How to Take Accurate Measurements

Notes for Accurate Measurement

- ❑ Apply the cuff directly against the skin, as clothing may cause a faint pulse, and result in a measurement error.
- ❑ Sit down in a comfortable position on a chair. Do not cross your legs. Keep your feet on the floor and straighten your back.
- ❑ Place your arm on a table with your palm facing upward and the cuff at the same level as your heart.
- ❑ Relax for about five to ten minutes before taking the measurement. If you are excited or depressed by emotional stress, the blood pressure reading may be higher (or lower) than a normal blood pressure reading and the pulse rate will usually be faster than normal.
- ❑ An individual's blood pressure varies constantly, depending on what you are doing and what you have eaten. What you drink may have a strong and rapid effect on your blood pressure.
- ❑ This device bases its measurements on the heartbeat. If you have a weak or irregular heartbeat, the device may have difficulties determining your blood pressure.
- ❑ Remain still and keep quiet during the measurement.
- ❑ If the device detects a condition that is abnormal, it will stop the measurement and the error symbol will be displayed.
- ❑ Do not measure immediately after physical exercise or a bath. Rest for twenty or thirty minutes before taking the measurement.
- ❑ Try to measure your blood pressure at the same time every day.

- ❑ This blood pressure monitor is intended for use by people 13 years and older.
- ❑ The performance of the device may be affected by excessive room temperature, humidity, direct sunshine, altitude. Use the device in room where is within operating temperature and humidity.
- ❑ Allow at least three minutes between measurements on the same person.

Measurement

- ❑ During the measurement, it is normal for users to feel tight.

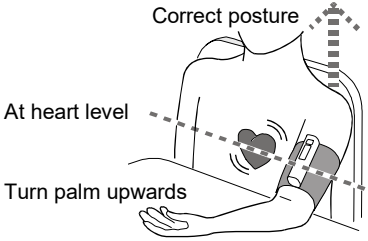
After Measurement

- ❑ The device is turned off after approximately three minutes. (Automatic power shut-off)
- ❑ Hold the communication tool over the mark to store data.
  The device is turned off after approximately one minute. (Automatic power shut-off)
- ❑ To immediately turn off the power, press the START button.

Measure Your Blood Pressure

1. **Apply the cuff to your arm correctly.**
   Refer to the "**Applying the Cuff on Left Upper Arm**".

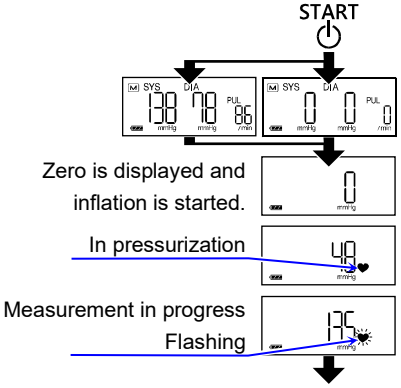
2. **Sit with the correct posture.**
   Refer to the "**How to Take Accurate Measurements**" of last page.



3. **Place your arm on the table and turn palm upwards.**

4. **Adjust at heart level.**
   Adjust height of the center of the cuff so that becomes the same height of your heart.
   Adjust height using height adjustment of table and chair, using thickness of towel and cushion and using arm angle.

5. **Press the START ⏻ button.**
   Last data is displayed for three seconds after turning on. When the last data does not exist in memory, data are displayed with "[]". If you want to stop the measurement, press the START ⏻ button again.



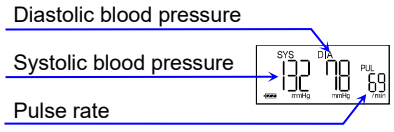
6. **Inflation and pressurization of the cuff is started.**

Note

- ❑ The ❤ symbol is flashing while pulse is detecting.
- ❑ If the symbol is flashing or displayed when detecting the cuff that is loosed in pressurization, the result may not correct. Attach the cuff and measure your blood pressure again.
- ❑ If the "" symbol is flashing or displayed when detecting movement of your body and hand in pressurization, the result may not correct. Remain still and keep quiet, do not move a body and an arm hand during measurement and measure your blood pressure again.

7. **Check the measurement result.**

When the measurement is completed, the systolic and diastolic blood pressure readings and pulse rate are displayed. The cuff exhausts the remaining air and deflates completely.



8. **Hold communication tool over the mark.**

If necessary, store measurement data in smartphone or tablet using the NFC function.
Refer to the "**NFC Communication Function**" concerning of the NFC function.

9. **Turn the power off.**

Press the START button to turn the device off.

Automatic power shut-off function :

- ❑ The device will turn off automatically after leaving in no operation for approximately three minutes.
- ❑ The device will turn off automatically at approximately one minute after communication is finished.

NFC Communication Function

Measurement data can be read when using an NFC-enabled smartphone or tablet.

Note

- ❑ Refer to the instruction manual of your smartphone or tablet concerning of communication method.

Download and Install the NFC Application

Download and install the application "**A&D Connect Healthcare**" into your smartphone or tablet to communicate with this blood pressure monitor.

Measure and Read Your Blood Pressure

1. **Turn the application on.**

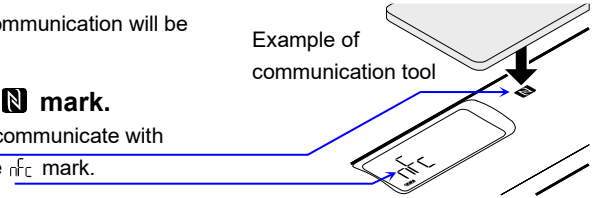
   Turn the "**A&D Connect Healthcare**" on your smartphone or tablet.
   Follow to instructions displayed on application.

Measurement result

2. **Measure your blood pressure.**

   When the measurement result is displayed, NFC communication will be able to execute for three minutes only.

Example of communication tool



3. **Hold the communication tool over the mark.**

   Hold the smartphone or tablet over the mark to communicate with the device and keep the position until displaying the nFC mark.

Note

- ❑ Check the NFC communication area of your smartphone or tablet individually.
- ❑ If a case is used on your smartphone or tablet, NFC communication might not be able to success. In this case, remove case from it and hold it over the mark.

4. **Check the communication display.**

   - ❑ When the nFC mark is displayed, communication of measurement data is executed.
   - ❑ After the nFC mark is displayed, measurement data is displayed.

Measurement result

In communication

Measurement result

5. **Check the application.**

   When NFC communication is finished correctly, measurement data is updated and is stored in memory.
   If measurement data is not stored in memory, hold it over the mark again.

Automatic power shut-off function :

- ❑ The device will be turned off after approximately three minutes after displaying the result, operate to hold it over the mark within three minutes.
- ❑ The device will turn off automatically at approximately one minute after communication is finished.

What Is the IHB / AFib Indicator?

When the monitor detects an irregular rhythm during the measurements, the "♡" IHB/AFib symbol will appear on the display with the measurement values. (**I**rregular **h**eart**b**eat / **A**trial **fib**rillation)

Note

We recommend contacting your physician if you see this "♡" IHB/AFib symbol frequently.

What Is the AFib?

The heart contracts due to electrical signals occurring in heart and sends blood through the body. Atrial fibrillation (AFib) occurs when the electrical signal in the atrium becomes confused and leads to disturbances in the pulse interval. AFib can cause blood to stagnate in the heart, which can easily create clots of blood, a cause of stroke and heart attack.

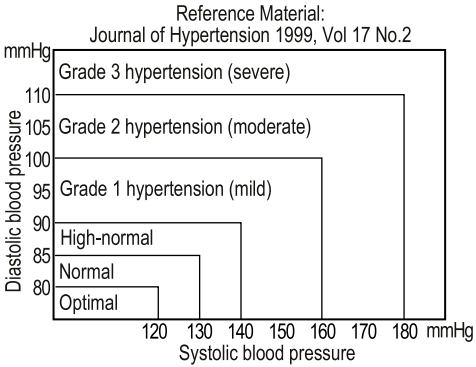
About Blood Pressure

What is Blood Pressure?

Blood pressure is the force exerted by blood against the walls of the arteries. Systolic blood pressure occurs when the heart contracts. Diastolic pressure occurs when the heart expands. Blood pressure is measured in millimeters of mercury (mmHg). One's natural blood pressure is represented by the fundamental pressure, which is measured first thing in the morning while one is still at rest and before eating.

WHO Blood Pressure Classification

Standards to assess high blood pressure, without regard to age, have been established by the World Health Organization (WHO), as shown in the chart.



What is Hypertension and How is it Controlled?

Hypertension, an abnormally high arterial blood pressure, if left untreated, may cause many health problems including stroke and heart attack. Hypertension can be controlled by altering lifestyle, avoiding stress, and with medication under a doctor's supervision. To prevent hypertension or keep it under control:

- ❑ Do not smoke
- ❑ Reduce salt and fat intake
- ❑ Maintain proper weight
- ❑ Exercise regularly
- ❑ Have regular physical checkups

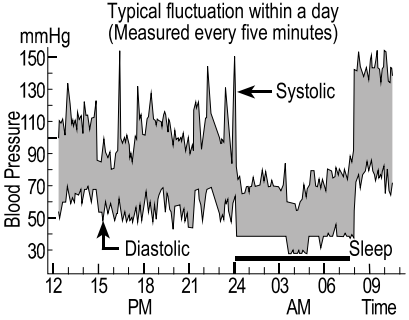
Why Measure Blood Pressure at Home?

Blood pressure measured at a clinic or doctor's office may cause apprehension and may elevate the reading by 25 to 30 mmHg higher than when measured at home. Home measurement reduces the effects of outside influences on blood pressure readings, supplements the doctor's readings and provides a more accurate, complete blood pressure history.

Blood Pressure Variations

An individual's blood pressure varies greatly on a daily and seasonal basis. It may vary by 30 to 50 mmHg due to various conditions during the day. In hypertensive individuals' variations are even more pronounced. Normally, the blood pressure rises when working or playing at work or play and falls to its lowest levels during sleep. So, do not be overly concerned by the results of one measurement.

Take measurements at the same time every day using the procedure described in this manual to get to know your normal blood pressure. Regular readings give a more comprehensive blood pressure history. Be sure to note date and time when recording your blood pressure. Consult your doctor to interpret your blood pressure data.



Troubleshooting

Problem	Possible Cause	Suggestion
Nothing appears in the display, even when the power is turned on.	Batteries are drained.	Replace all batteries with new ones.
	Battery terminals are not in the correct position.	Re-install the batteries with negative and positive terminals matching those indicated on the battery compartment.
The cuff does not inflate.	Battery power is low. (LOW BATTERY mark) blinks. If the batteries are drained completely, the mark does not appear.	Replace all batteries with new ones.
The device does not measure. Readings are too high or too low.	The cuff is not applied properly.	Apply the cuff correctly.
	Movement is detected.	Make sure to remain very still and quiet during the measurement.
	The cuff position is not correct.	Sit comfortably and still. Place your arm on a table with your palm facing upward and the cuff at the same level as your heart.
	_____	If you have a very weak or irregular heart beat, the device may have difficulties in determining your blood pressure.
Other	The value is different from that measured at a clinic or doctor's office.	See "**Why Measure Blood Pressure at Home?**"
	_____	Remove the batteries. Put them back properly and try the measurement again.

Note

If the suggestions described above do not solve the problem, contact the authorized dealer. Do not attempt to open or repair this product, otherwise your warranty may be invalid.

Maintenance

Do not open the device. It uses delicate electrical components and an intricate air unit that could be damaged. If you cannot fix the problem using the troubleshooting instructions, request service from your dealer or from the A&D service group. The A&D service group will provide technical information, spare parts and units to authorized dealers.

The device is designed and manufactured for a long service life. However, it is generally recommended to have the device inspected every 2 years, to ensure proper functioning and accuracy. Please contact the authorized dealer in your area or A&D for maintenance.

Technical Data

Type	UA−1100NFC	
Measurement method	Oscillometric measurement	
Measurement range	Pressure:	0 to 299 mmHg
	Systolic blood pressure:	60 to 279 mmHg
	Diastolic blood pressure:	40 to 200 mmHg
	Pulse:	40 to 180 beats / minute
Measurement accuracy	Pressure:	±3 mmHg
	Pulse:	±5 %
Power supply	3 x 1.5V alkaline batteries (LR03 or AAA)	
Number of measurements	Approx. 400 times	LR03 (alkaline batteries)
	With pressure value of 170 mmHg at room temperature of 23 °C.	
Classification	Internally powered ME equipment (Continuous operation mode)	
Clinical test	According to ISO 81060-2:2018+A1:2020	
	In the clinical validation study, K5 was used on 85 subjects for determination of diastolic blood pressure.	
EMD	IEC 60601−1−2: 2014+A1: 2020	
Wireless communication	NFC−V	
	Supported Data: Systolic Blood Pressure, Diastolic Blood Pressure, Pulse Rate	
Operating conditions	+10 to +40 °C / 15 to 85 %RH / 800 to 1060 hPa	
Transport / Storage conditions	−20 to +60 °C / 10 to 95 %RH / 700 to 1060 hPa	
Parts worn on body	48 °C or lower	
Dimensions	Approx. 36[W] x 144[H] x 31[D]mm	
Weight	Approx. 240 g, excluding batteries	
Applied part	Cuff Type BF	
Useful life	Device: 4.5 years (when used six times a day or 10,000 times of tolerance times)	
Contents *1	1 Blood Pressure Monitor, 1 Instruction Manual, 1 Quick Guide, 3 Batteries	
Ingress protection	Device: IP22	

*1: Confirm that all of the parts are included to ensure that the medical device is ready to perform safely and as intended.

Note

Specifications are subject to change for improvement without prior notice.

IP classification is the degrees of protection provided by enclosures in accordance with IEC 60529. This device is protected against solid foreign objects with a diameter of 12 mm or greater, such as a finger. It can protect this device against dropping water if a tilt of the device is within 15 degrees.

EMD Technical Data

Battery-operated Blood Pressure Monitor

Medical Electrical Equipment needs special precautions regarding EMD and needs to be installed and put into service according to the EMD information provided in the following.

Portable and mobile RF communication equipment (e. g. cell phones) can affect Medical Electrical Equipment.

The use of accessories and cables other than those specified may result in increased emissions or decreased immunity of the unit.

Table 1 – Emission Limits –

Phenomenon		Compliance
Conducted and radiated RF emission	CISPR11	Group 1, Class B

Table 2 – Immunity Test Levels : Enclosed Port –

Phenomenon		Compliance
Electrostatic discharge	IEC 61000-4-2	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air
Radiated RF EM fields	IEC 61000-4-3	10 V/m 80 MHz – 2.7 GHz 80 % AM at 1 kHz
Proximity fields from RF wireless communications equipment	IEC 61000-4-3	See table 3
Rated power frequency magnetic fields	IEC 61000-4-8	30 A/m 50 Hz/60 Hz
Proximity magnetic fields	IEC 61000-4-39	See table 4

Table 3 – Test Specifications for Enclosure Port Immunity to RF Wireless Communications Equipment –

Test frequency (MHz)	Band (MHz)	Service	Modulation	Immunity test level (V/m)
385	380 – 390	TETRA 400	Pulse modulation 18 Hz	27
450	430 - 470	GMRS 460 FRS 460	FM ±5 kHz deviation 1 kHz sine	28
710	704 – 787	LTE Band 13,17	Pulse modulation 217 Hz	9
745				
780				
810	800 – 960	GSM 800/900 TETRA 800 iDEN 820 CDMA 850 LTE Band 5	Pulse modulation 18 Hz	28
870				
930				
1720	1700 – 1990	GSM 1800 CDMA 1900 GSM 1900 DECT LTE Band 1,3,4,25 UMTS	Pulse modulation 217 Hz	28
1845				
1970				
2450	2400 – 2570	Bluetooth WLAN 802.11 b/g/n RFID 2450 LTE Band 7	Pulse modulation 217 Hz	28
5240	5100 – 5800	WLAN 802.11 a/n	Pulse modulation 217 Hz	9
5500				
5785				

Table 4 – Test Specifications for Enclosure Port Immunity to Proximity Magnetic Field –

Test frequency (MHz)	Modulation	Immunity test level (A/m)
30 kHz	CW	8
134.2kHz	Pulse modulation 2.1 kHz	65
13.56MHz	Pulse modulation 50 kHz	7.5

MEMO

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