



Model: AU941F

www.accumed.ch

EN English Introduction

Blood pressure measurements determined with AU941F 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. AU941F is protected against manufacturing defects by an established International Warranty Program. For warranty information, you can contact your distributors.

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 and conforms to the provisions of 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 1060-3:1997/A2: 2009 Non -invasive sphygmomanometers - Part 3 - Supplementary requirements for electro-mechanical blood pressure measuring system
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 developed a blood pressure standard, classifying blood pressure ranges into 4 stages. (The Seventh National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure-Complete Report JNC-7, 2003). This blood pressure classification are based on historical data, and may not be directly applicable to any particular patient. It is important that you consult with your physician regularly. Your physician will tell you your personal blood pressure range as well as the point at which you should be considered at risk. For reliable monitoring and reference of blood pressure, keeping long-term records is recommended. Please download the blood pressure log at our website www.accumed.ch.

Display Explanations
EE / Measurement Error: Make sure the L-plug is securely connected to the air socket on the LCD screen. The measurement is then automatically stored into the pre-designated memory zone.
This monitor will re-inflate automatically to approximately 220 mmHg if the system detects that your body needs more pressure to measure your blood pressure.

E1 / Air Circuit Abnormality: Make sure the L-plug is securely connected to the air socket on the side of the unit and measure again quietly. If the error still occurs, the device will automatically switch off approximately 1 minute after this last key operation.
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 still occurs, 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.

Movement Detection
The "Movement Detection" helps reminding the user to remain still and is indicating any body movement during measurement. The specified icon appears on the LCD screen if any "body movement" has been detected during and after each measurement.

Guest Mode
This monitor has a non-stored single measurement function. Press the User-Switching key to select a memory zone (1 or 2) from which you want to recall values. Press the Memory key. The first reading displayed is the average of the last 3 measurements stored in memory.

Recalling average values of morning and nighttime
1. This monitor has 7, 14, 21, 28 days averaging function of morning and nighttime. The memory bank can store up to 60 readings per memory zone. When the number of readings exceeds 60, the oldest data will be replaced with the new record.

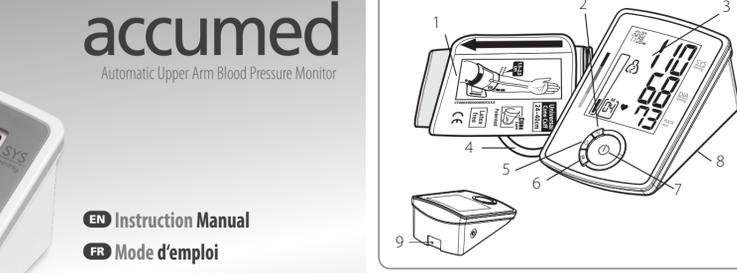
Hypertension Risk Indication
The National High Blood Pressure Education Program Coordinating Committee has developed a blood pressure standard, classifying blood pressure ranges into 4 stages. This unit is equipped with innovative blood pressure risk indication, which visually indicates the assumed risk level (Normal / prehypertension / stage 1 Hypertension / stage 2 hypertension) of the result after each measurement.

Irregular Heartbeat (IHB) Detection
This unit is equipped with an Irregular Heartbeat (IHB) Detection which will allow the user to have an irregular heartbeat to obtain accurate measurements alerting the user of the presence of an irregular heart beat during the measurement. Note: It is strongly recommended that you consult your physician if the IHB icon appears often.

Using the AC Adaptor (Optional)
The AC adaptor is used with the AC adaptor jack on the back side of the unit. Plug the AC adaptor into the socket. (AC adaptors with required voltage and current indicated near the AC adaptor.)
Caution:
1. Please unplug the AC adaptor when operating with the AC mode for a long period of time to avoid overheating the batteries and in compensation for a long time may cause leakage which may lead to damage of the unit.
2. AC batteries are needed when operating with the AC mode.
3. AC batteries are optional. Please contact the distributor for the compatible AC adaptors.

Time Adjustment
1. To adjust the date/time in the monitor after installing or replaces batteries. The display will show a blinking number showing the date.
2. Change the date by pressing the Memory key, each press will increase the number. Press the ON/OFF/START key to confirm the entry and the screen will show a blinking number representing the month.
3. Change the month, the hour and the minute as described in Step 2 above, using the Memory key to change and the ON/OFF/START key to confirm the entry.

Installing Batteries
1. Press down and lift the battery cover in the direction of the arrow to open the battery compartment.
2. Install or replace 4 "AA" sized 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 extended periods of time.
5. Do not need to replace the batteries when:
a. The low battery icon appears on display.
b. 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.



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2. Use exclusively brand batteries. Always replace with new batteries together. Use batteries of the same brand and same type.

Applying the Cuff
1. Unwrap the arm cuff, leaving the end of the cuff through the D-ring of the cuff.
2. Put your left arm flat, leaving the end of the cuff loop. The color strip indication should be positioned closer to you with the tube pointing in the direction of your arm (fig. ①). Turn your left palm upward and place the edge of the arm cuff at approximately 1,5 to 2,5 cm above the inner side of the elbow joint (fig. ②). Tighten the cuff by pulling the end of the cuff.

3. Center the tube over the middle of the arm. Press the hook and loop material together securely. Allow room for 2 fingers to fit between the cuff and your arm. Position the artery mark (Ⓚ) over the main artery (on the inside of your arm) (fig. ③, Ⓚ). Note: Locate the main artery by pressing with 2 fingers approximately 2 cm to the bend of your elbow on the inside of your left arm. Identify where the pulse can be felt the strongest. This is your main artery.
4. Plug in the cuff connecting tube into the unit (fig. ④).
5. 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).
6. This cuff is suitable for you if you fit the arrow falls within the solid color line as shown on the right (fig. ⑥). If the arrow falls outside the solid color line, you will need a cuff with other dimensions. Contact your local dealer for additional size cuffs.

Measurement Procedures
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 arm, his or her physical 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.
• Before measurement, it is 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 5 minutes before taking the next measurement.
• Press the User-Switching key to select a memory zone 1, memory zone 2 or guest mode. After a memory zone is selected, press the ON/OFF/START key to press the ON/OFF/START key. All digits will light up, checking the display functions. The checking procedure will be completed in 2 seconds.
• After all symbols appear, the display will show a blinking "0". The monitor is ready to measure and will automatically inflate the cuff slowly to start measurement.

4. When the measurement is completed, the cuff will exhaust the pressure inside. Systolic pressure, diastolic pressure and pulse will be shown simultaneously on the LCD screen. The measurement is then automatically stored into the pre-designated memory zone.
This monitor will re-inflate automatically to approximately 220 mmHg if the system detects that your body needs more pressure to measure your blood pressure.

Recalling Values from Memory
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2. To read memory values from a selected memory zone, use the User-Switching key to select a memory zone (1 or 2) from which you want to recall values. Press the Memory key. The first reading displayed is the average of the last 3 measurements stored in memory.
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Note: The memory bank can store up to 60 readings per memory zone. When the number of readings exceeds 60, the oldest data will be replaced with the new record.

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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.

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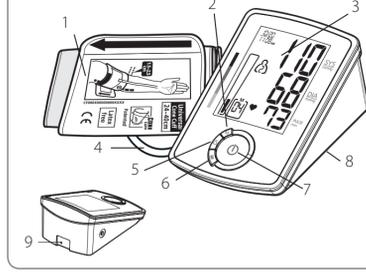
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Using the AC Adaptor (Optional)
The AC adaptor is used with the AC adaptor jack on the back side of the unit. Plug the AC adaptor into the socket. (AC adaptors with required voltage and current indicated near the AC adaptor.)
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1. Press down and lift the battery cover in the direction of the arrow to open the battery compartment.
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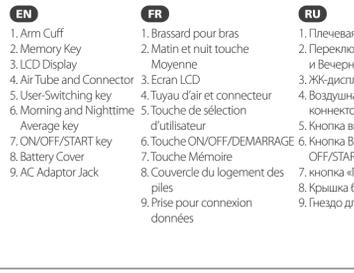
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Note: The memory bank can store up to 60 readings per memory zone. When the number of readings exceeds 60, the oldest data will be replaced with the new record.

Recalling average values of morning and nighttime
1. This monitor has 7, 14, 21, 28 days averaging function of morning and nighttime. The memory bank can store up to 60 readings per memory zone. When the number of readings exceeds 60, the oldest data will be replaced with the new record.

Hypertension Risk Indication
The National High Blood Pressure Education Program Coordinating Committee has developed a blood pressure standard, classifying blood pressure ranges into 4 stages. This unit is equipped with innovative blood pressure risk indication, which visually indicates the assumed risk level (Normal / prehypertension / stage 1 Hypertension / stage 2 hypertension) of the result after each measurement.

Irregular Heartbeat (IHB) Detection
This unit is equipped with an Irregular Heartbeat (IHB) Detection which will allow the user to have an irregular heartbeat to obtain accurate measurements alerting the user of the presence of an irregular heart beat during the measurement. Note: It is strongly recommended that you consult your physician if the IHB icon appears often.

Using the AC Adaptor (Optional)
The AC adaptor is used with the AC adaptor jack on the back side of the unit. Plug the AC adaptor into the socket. (AC adaptors with required voltage and current indicated near the AC adaptor.)
Caution:
1. Please unplug the AC adaptor when operating with the AC mode for a long period of time to avoid overheating the batteries and in compensation for a long time may cause leakage which may lead to damage of the unit.
2. AC batteries are needed when operating with the AC mode.
3. AC batteries are optional. Please contact the distributor for the compatible AC adaptors.

Time Adjustment
1. To adjust the date/time in the monitor after installing or replaces batteries. The display will show a blinking number showing the date.
2. Change the date by pressing the Memory key, each press will increase the number. Press the ON/OFF/START key to confirm the entry and the screen will show a blinking number representing the month.
3. Change the month, the hour and the minute as described in Step 2 above, using the Memory key to change and the ON/OFF/START key to confirm the entry.

Installing Batteries
1. Press down and lift the battery cover in the direction of the arrow to open the battery compartment.<

