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AQESO U87E

AQESO Blood Pressure Machine Upper Arm User Manual

Model: U87E | Brand: AQESO

INTRODUCTION

Thank you for choosing the AQESO Blood Pressure Machine. This automatic digital BP monitor is designed for accurate and swift blood pressure readings at home. Equipped with advanced ASP (Accurate Signal Processing) technology, it ensures reliable results in approximately 30 seconds. This manual provides essential information for proper setup, operation, and maintenance to ensure optimal performance and accurate measurements.



Image: The AQESO Blood Pressure Machine, featuring its main unit, three different sized cuffs (Small, M/L, XL), AAA batteries, and a USB Type-C charging cable.

IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before use. Keep this manual for future reference.

- **Consult a Physician:** This device is intended for home use and should not replace professional medical advice or treatment. Always consult your doctor for interpretation of blood pressure readings.
- **Implanted Devices:** **WARNING: This device is not recommended for individuals with implanted electronic devices such as pacemakers.** Consult your physician before use if you have any implanted medical devices.
- **Measurement Conditions:** Measurements should be taken in a relaxed state. Avoid eating, drinking alcohol, smoking, or exercising for at least 30 minutes before measurement.
- **Cuff Size:** Using the correct cuff size is crucial for accurate readings. Refer to the 'Cuff Selection' section for guidance.
- **Power Source:** Use only the provided USB Type-C cable or 4 AAA batteries. The device is not rechargeable via USB-C; it requires a constant power source when connected.

WHAT'S INCLUDED

Your AQESO Blood Pressure Machine package includes the following components:

- 1 x AQESO Blood Pressure Monitor Unit
- 1 x Small Cuff (fits arms 7" to 9" in circumference)
- 1 x Medium/Large Cuff (fits arms 9" to 17" in circumference)
- 1 x Extra Large Cuff (fits arms 13" to 21" in circumference)
- 1 x Cloth Carrying Bag
- 4 x AAA Batteries
- 1 x USB Type-C Charging Cable (Note: 5V 1A universal USB adapter not included)
- 1 x User Manual



Image: A visual representation of all items included in the package: the BP monitor, three cuffs, carrying bag, batteries, USB-C cable, and user manual.

SETUP

1. Powering the Device

The AQESO Blood Pressure Monitor offers two power options:

- **AAA Batteries:** Insert the 4 included AAA batteries into the battery compartment located on the back of the device, ensuring correct polarity.
- **USB Type-C Cable:** Connect the provided USB Type-C cable to the device and to a 5V 1A USB power adapter (not included). Note that the device is not rechargeable and must remain connected to the power source when using the USB cable.

2. Cuff Selection and Attachment

Accurate blood pressure readings depend significantly on using the correct cuff size. Your monitor comes with three adjustable cuffs to fit various arm circumferences:

- Small Cuff: 7"-9" (17-22 cm)
- Medium/Large Cuff: 9"-17" (22-42 cm)
- Extra Large Cuff: 13"-21" (32-52 cm)

To determine your correct cuff size, measure the circumference of your upper arm at the midpoint between your elbow and shoulder. Select the cuff that best fits this measurement.

SIZE MATTERS

Cuff Size Wrong Results in Wrong Readings

7-9 Inches

Small Cuff ✓

9-13 Inches

Standard Cuff ✓

13-17 Inches

Large Cuff ✓

17-21 Inches

XL Cuff ✓

Cuff Too Small



Falsely High Reading



Cuff Too Large



Falsely Low Reading

AQESO WIDE-RANGE CUFFS SOLUTION



Small



Medium/Standard



Large



X-Large

Image: An infographic explaining the importance of correct cuff size, showing how too small or too large a cuff can lead to inaccurate readings, and illustrating the range of arm sizes covered by the Small, Medium/Standard, Large, and X-Large cuffs.

Attach the selected cuff to the monitor by securely inserting the air tube connector into the air jack on the side of the main unit.

OPERATING INSTRUCTIONS

1. Proper Measurement Posture

For the most accurate readings, follow these guidelines:

- Sit upright with your back supported.
- Place your arm on a flat surface with the cuff at heart level. The gap between the chair and the top of the table should be between 10" to 12".
- Ensure the air tube runs down the center of your arm.
- Do not wrap the cuff too tightly or too loosely.
- Remain still and silent during measurement.

2. Taking a Measurement

The AQESO monitor features a simple one-touch operation:

1. Once the cuff is correctly positioned on your arm and the device is powered on, press the **START/STOP** button.
2. The cuff will automatically inflate and then slowly deflate. The large backlit LCD display will show your systolic pressure, diastolic pressure, and heart rate.
3. The measurement typically completes in about 30 seconds.



ADVANCED CORE DATA ANALYSIS ALGORITHM

Accuracy Specifications:

- Pressure: ± 3 mmHg
- Pulse value: $\pm 5\%$ of reading

Note: This data is based on laboratory tests and factory inspection results. Actual measurements may vary due to various factors.

Image: The large backlit LCD display of the AQESO BP monitor, designed for easy readability, especially for seniors, showing blood pressure and heart rate readings.

3. Understanding Your Readings

The display shows three key values:

- **SYS (Systolic Pressure):** The top number, indicating the pressure in your arteries when your heart beats.
- **DIA (Diastolic Pressure):** The bottom number, indicating the pressure in your arteries between beats.
- **PUL (Pulse Rate):** Your heart rate in beats per minute.

The monitor also features a WHO (World Health Organization) classification bar on the side of the display, providing a quick visual indication of your blood pressure category (Normal, High-Normal, Serious Pressure).

4. Triple-User Mode and Memory Function

The AQESO monitor supports up to three independent users, with each user able to store up to 99 measurements. This allows families to track their health data over time.

- Press the **MEM** button to cycle through user profiles (User 1, User 2, User 3).
- Once a user is selected, pressing the **MEM** button again will display previous readings for that user, including date and time.

MAINTENANCE

Cleaning

Wipe the monitor and cuff with a soft, dry cloth. Do not use abrasive cleaners or immerse the device in water.

Storage

Store the device in the provided cloth bag in a cool, dry place, away from direct sunlight and extreme temperatures. Remove batteries if the device will not be used for an extended period.

Battery Replacement

When the battery indicator appears on the display, replace all four AAA batteries with new ones to ensure accurate readings and proper device function.

TROUBLESHOOTING

If you encounter issues with your AQESO Blood Pressure Machine, please refer to the following common solutions:

Problem	Possible Cause	Solution
Inaccurate Readings	Incorrect cuff size or placement; improper posture; movement during measurement.	Ensure correct cuff size and placement (artery marker aligned, not too tight/loose). Maintain proper sitting posture. Remain still and silent during measurement.
Device does not power on	Dead batteries; incorrect battery polarity; USB cable not properly connected or power adapter faulty.	Replace batteries with new ones, ensuring correct polarity. If using USB, check cable connection and try a different 5V 1A USB adapter.
Cuff does not inflate/deflate properly	Air tube disconnected or kinked; cuff not properly sealed.	Check that the air tube is securely connected to both the cuff and the monitor. Ensure the cuff is wrapped snugly around the arm with no gaps.

If the issue persists, please contact AQESO customer support for further assistance.

SPECIFICATIONS

- **Model Name:** U87E
- **Product Dimensions:** 6.2"L x 4.05"W x 2.03"Th
- **Weight:** 1.63 Pounds (approx.)
- **Cuff Sizes Included:** Small (7"-9"), Medium/Large (9"-17"), XL (13"-21")

- **Display Type:** Large Backlit LCD Display
- **Power Source:** 4 x AAA Batteries or USB Type-C 5V/1A
- **Measurement Method:** Oscillometric
- **Measurement Range:** Blood Pressure: 0-299 mmHg; Pulse: 40-199 beats/minute
- **Accuracy:** Pressure: ± 3 mmHg; Pulse value: $\pm 5\%$ of reading
- **Memory:** 3 users x 99 measurements each
- **Manufacturer:** Shenzhen Urion Technology Co., Ltd. AQESO

WARRANTY & SUPPORT

For warranty information and customer support, please refer to the official AQESO website or contact their customer service directly. The full user manual in PDF format is available for download via the link provided with your product or on the manufacturer's support page.

For additional resources and product information, visit the [AQESO Store on Amazon](#).