Beurer BM27

Beurer BM27 Upper Arm Blood Pressure Monitor User Manual

Model: BM27

Introduction

This manual provides essential information for the safe and effective operation of your Beurer BM27 Upper Arm Blood Pressure Monitor. Please read these instructions thoroughly before first use and keep them for future reference. The Beurer BM27 is a medical device designed for home use to measure arterial blood pressure and pulse rate on the upper arm.



Figure 1: The Beurer BM27 Upper Arm Blood Pressure Monitor, showing the main unit with its large digital display and the attached upper arm cuff.

Key Features

- **Accurate Measurements:** Clinically validated for reliable blood pressure readings.
- **Arrhythmia Detection:** Automatically detects and alerts the user to irregular heart rhythms.
- **Color-Coded Risk Indicator:** Classifies measurements according to WHO (World Health Organization) guidelines for easy interpretation.
- **Memory Capacity:** Stores up to 120 readings for 4 different user profiles, allowing for long-term tracking.
- **Universal Cuff:** Adjustable cuff (8.7 - 16.5 inches / 22-42 cm) suitable for a wide range of arm sizes, with automatic inflation.
- **Integrated Cuff Position Control:** Alerts if the cuff is incorrectly positioned to ensure precise measurements.

Setup Guide

1. Battery Installation

The device requires 4 x 1.5V AAA batteries. Open the battery compartment cover on the underside of the monitor. Insert the batteries, ensuring correct polarity (+/-). Close the battery compartment cover securely.

2. Attaching the Cuff

Connect the air tube from the cuff securely into the air connection port on the side of the blood pressure monitor. Ensure the connection is firm to prevent air leakage during measurement.



Figure 2: The Beurer BM27 monitor displaying the integrated cuff position control icon, which indicates if the cuff is correctly placed on the upper arm for accurate readings.

3. Setting User Profile and Date/Time

Before first use, or if batteries are replaced, you may need to set the date, time, and select a user profile. Refer to the 'SET' and 'M' buttons on the device. The BM27 supports 4 user profiles, allowing multiple individuals to track their readings separately.

Operating Instructions

1. Preparing for Measurement

1. Rest for at least 5 minutes before taking a measurement.
2. Sit upright with your back supported and feet flat on the floor.
3. Place the cuff on your bare upper arm, approximately 2-3 cm above the elbow joint. Ensure the air tube runs along the inside of your arm. The cuff should be snug but not too tight.
4. Position your arm at heart level, resting it on a table or other stable surface.



Figure 3: A man demonstrating the correct posture and arm placement while using the Beurer BM27 Blood Pressure Monitor, highlighting the importance of proper technique for accurate results.

2. Taking a Measurement

Press the **START/STOP** button to begin the measurement. The cuff will automatically inflate. Remain still and do not talk during the measurement. Once complete, the systolic pressure, diastolic pressure, and pulse rate will be displayed on the screen.

3. Interpreting Results with Risk Indicator

The display features a color-coded bar on the left side, indicating your blood pressure classification according to WHO guidelines:

- **Red:** Severe high blood pressure
- **Orange:** Moderate high blood pressure
- **Yellow:** Mild high blood pressure
- **Green:** Normal blood pressure



Figure 4: The Beurer BM27 display showing the color-coded risk indicator on the left, which helps users easily interpret their blood pressure readings based on WHO classifications.

4. Arrhythmia Detection

If an irregular heart rhythm is detected during the measurement, an arrhythmia symbol will appear on the display. If this symbol appears frequently, it is recommended to consult a medical professional.



Figure 5: A close-up of a person's arm with the Beurer blood pressure cuff, illustrating the device's capability for arrhythmia detection during measurement.

5. Memory Function and App Integration

The device automatically saves measurements to the selected user profile. To review past readings, press the 'M' button. The Beurer BM27 also supports scanning measured values with your smartphone to save them in the 'beurer HealthManager Pro' app, providing a digital blood pressure pass.



Figure 6: The Beurer BM27 monitor alongside a smartphone showing the 'beurer HealthManager Pro' app, demonstrating the digital blood pressure pass feature where users can scan and save their measurement values.

Maintenance

Cleaning

Clean the monitor and cuff with a slightly damp cloth. Do not use abrasive cleaners or immerse the device in water. Ensure no liquid enters the device.

Storage

Store the blood pressure monitor and cuff in the provided storage bag in a cool, dry place, away from direct sunlight and extreme temperatures. Do not place heavy objects on the device.

Battery Replacement

When the low battery indicator appears on the display, replace all four batteries simultaneously with new 1.5V AAA batteries. Dispose of used batteries according to local regulations.

Troubleshooting

Problem	Possible Cause	Solution
Device does not turn on.	Batteries are dead or incorrectly inserted.	Replace batteries with new ones, ensuring correct polarity.
Error message related to cuff position.	Cuff is not correctly positioned on the arm.	Re-position the cuff correctly on your upper arm, ensuring it is snug and the air tube is aligned. Refer to 'Attaching the Cuff' section.
Inaccurate or inconsistent readings.	Movement or talking during measurement; incorrect cuff size or placement; not resting before measurement.	Ensure you are still and silent during measurement. Verify cuff size (8.7 - 16.5 inches) and proper placement. Rest for 5 minutes before taking a reading.
Arrhythmia symbol appears frequently.	Detection of irregular heart rhythm.	Consult a medical professional for advice.

Technical Specifications

Specification	Detail
Model Name	BM27
Product Dimensions	4.72 x 2.09 x 4.33 inches
Item Weight	12 ounces
Cuff Size	Universal Cuff (8.7 - 16.5 inches / 22-42 cm)
Power Source	4 x 1.5V AAA Batteries
Display Type	LCD
Memory Capacity	4 user profiles, 120 readings each
Manufacturer	Beurer

Specification	Detail
Included Components	Blood pressure monitor, universal cuff, storage bag, 4 x AAA batteries

Warranty and Support

For detailed warranty information and customer support, please refer to the documentation included with your product or visit the official Beurer website. It is crucial to read the entire instruction manual before use to ensure proper operation and to understand all safety guidelines.

Manufacturer: Beurer

Important Safety Information: Please read the instruction manual thoroughly before use.

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