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Beurer BC28

Beurer BC28 Wrist Blood Pressure Monitor

INSTRUCTION MANUAL

1. Introduction and Overview

The Beurer BC28 Wrist Blood Pressure Monitor is a fully automatic device designed for accurate and convenient measurement of blood pressure and pulse at the wrist. This medical device features arrhythmia detection and a color-coded WHO risk indicator for easy interpretation of your readings. It is suitable for home use and provides reliable data for monitoring your cardiovascular health.

- Fully automatic blood pressure and pulse measurement on the wrist.
- Classification of values with color scale and arrhythmia detection.
- 2 x 60 memory slots for tracking readings.
- Large, easy-to-read display.
- Automatic switch-off function.



Figure 1: The Beurer BC28 Wrist Blood Pressure Monitor, showcasing its large display and wrist cuff.

2. Setup

2.1 Battery Installation

The device requires 2 AAA batteries (included). Open the battery compartment cover on the back of the device. Insert the batteries according to the polarity markings (+/-). Close the battery compartment cover securely.

2.2 Applying the Wrist Cuff

Ensure the cuff is placed directly on your wrist, approximately 1-2 cm above your wrist joint, with the display facing upwards. The cuff is designed for wrist circumferences from 14 to 19.5 cm. Make sure the cuff is snug but not too tight, allowing one finger to fit comfortably underneath.



Figure 2: Proper placement of the wrist blood pressure monitor on the wrist.



Figure 3: The wrist cuff is suitable for circumferences between 14 and 19.5 cm.

3. Operating Instructions

3.1 Taking a Measurement

1. Sit comfortably with your arm resting on a table, ensuring your wrist is at heart level.
2. Press the **START/STOP** button ( ) to begin the measurement. The cuff will automatically inflate.
3. Remain still and do not talk during the measurement.
4. Once the measurement is complete, your systolic pressure (SYS), diastolic pressure (DIA), and pulse rate (PUL) will be displayed.
5. The measurement will be automatically saved to the selected user memory (User 1 or User 2).

3.2 Understanding Your Readings

The Beurer BC28 provides a color-coded risk indicator based on WHO (World Health Organization) guidelines, allowing for quick assessment of your blood pressure values. Green indicates optimal, yellow indicates normal, orange indicates high-normal, and red indicates hypertension.



Figure 4: The display includes a color-coded risk indicator for easy interpretation of blood pressure values.

3.3 Arrhythmia Detection

This device can detect irregular heartbeats during measurement. If an arrhythmia is detected, a symbol (♥ with waves) will appear on the display. If this symbol appears frequently, consult your doctor.



Figure 5: The arrhythmia detection symbol indicates an irregular heartbeat during measurement.

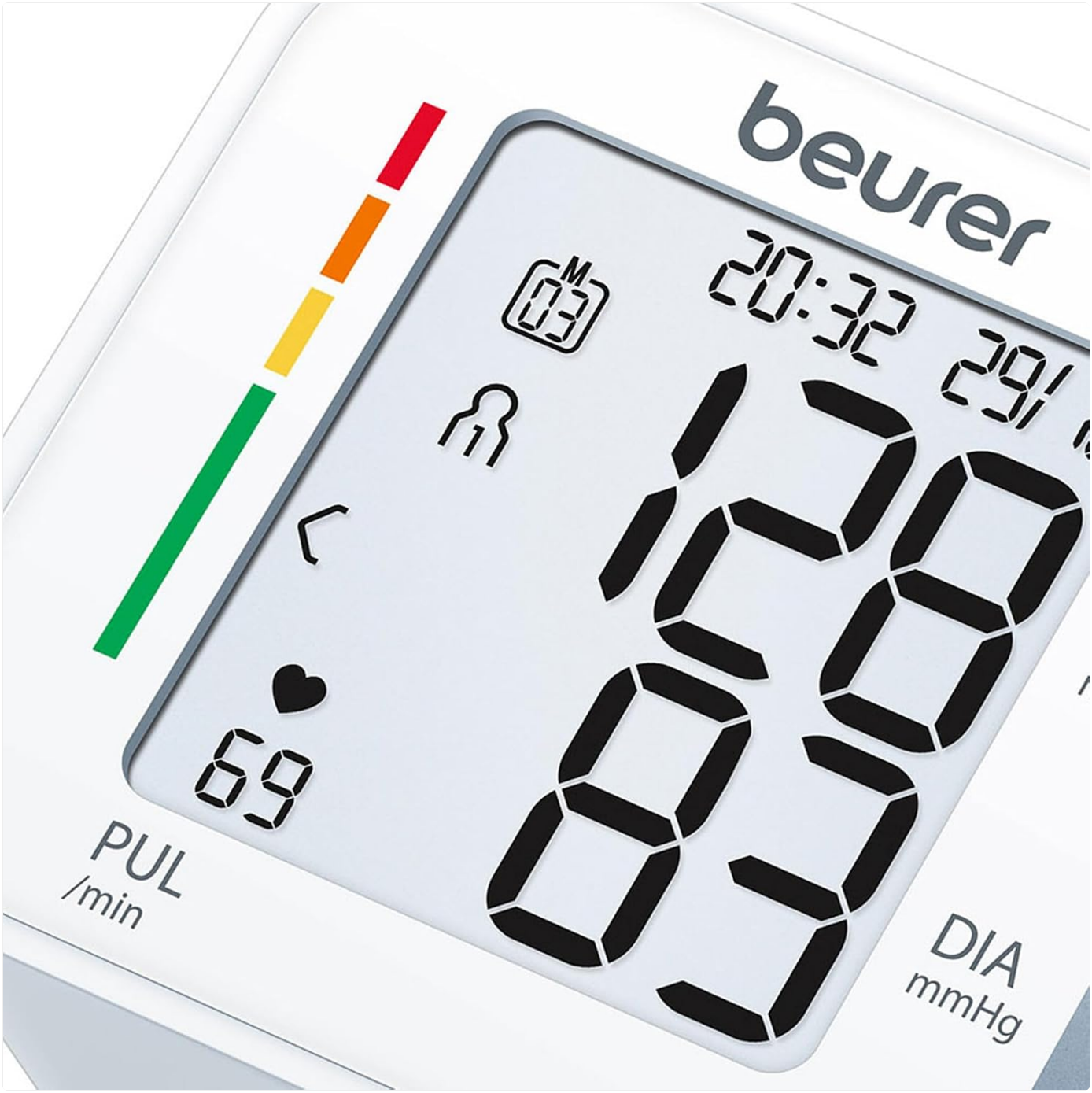


Figure 6: A detailed view of the large, clear LCD display showing time, date, blood pressure readings, pulse, and memory indicator.

3.4 Memory Function

The device stores 60 measurements for two different users (2 x 60 memory slots). To view past measurements, press the **M** button. Pressing it repeatedly will cycle through the stored readings.



Figure 7: The START/STOP and Memory (M) buttons for operation and data recall.

4. Maintenance

4.1 Cleaning

Clean the device and cuff carefully using a slightly damp cloth. Do not use abrasive cleaning agents or immerse the device in water. Ensure no liquid enters the device.

4.2 Storage

Store the blood pressure monitor in a cool, dry place, away from direct sunlight and extreme temperatures. If the device will not be used for an extended period, remove the batteries to prevent leakage.



Figure 8: The underside of the cuff, showing its construction and attachment points.

5. Troubleshooting

Problem	Possible Cause	Solution
Device does not turn on.	Batteries are dead or incorrectly inserted.	Check battery polarity or replace batteries.
Inaccurate readings.	Incorrect cuff placement, movement during measurement, or speaking.	Ensure proper cuff placement, remain still and silent during measurement. Consult a healthcare professional if readings remain inconsistent.
"E" or error message on display.	Measurement error, cuff not properly inflated, or movement detected.	Re-apply cuff and repeat measurement. Ensure no movement. If error persists, contact customer support.

Problem	Possible Cause	Solution
Arrhythmia symbol appears frequently.	Indicates irregular heartbeat.	This is a detection, not an error. Consult your doctor for medical advice.

6. Specifications

- **Model:** Beurer BC28
- **Model Number:** 650.44
- **Measurement Method:** Oscillometric, non-invasive blood pressure measurement on the wrist
- **Measurement Range:**
  - Systolic: 0 - 300 mmHg
  - Diastolic: 0 - 300 mmHg
  - Pulse: 40 - 199 beats/minute
- **Accuracy:**
  - Pressure: +/- 3 mmHg
  - Pulse: +/- 5% of reading
- **Memory:** 2 x 60 memory spaces
- **Wrist Circumference:** 14 - 19.5 cm
- **Power Supply:** 2 x 1.5V AAA batteries (included)
- **Dimensions (L x W x H):** 8.4 x 2.9 x 6 cm
- **Weight:** Approximately 0.17 kg (without batteries)
- **Operating Conditions:** +10°C to +40°C, 30% to 85% relative humidity (non-condensing)
- **Storage Conditions:** -20°C to +50°C, 15% to 90% relative humidity (non-condensing)

7. Warranty and Support

As a certified medical device, the Beurer BC28 Wrist Blood Pressure Monitor is manufactured to high quality standards. For specific warranty information, please refer to the warranty card included with your product or visit the official Beurer website.

For further assistance, technical support, or to view frequently asked questions, please visit the Beurer Brand Store or contact Beurer customer service directly.

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Details

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