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## Included in delivery

- Blood pressure monitor
- Upper arm cuff
- 4 x LR03 AAA batteries
- Storage bag
- USB cable
- Instructions for use

## Dear Customer,

thank you for choosing a product from our range. Our name stands for high-quality, thoroughly tested products for applications in the areas of heat, weight, blood pressure, body temperature, pulse, gentle therapy, massage, beauty and air. Please read these instructions for use carefully and keep them for later use, be sure to make them accessible to other users and observe the information they contain.

Best regards,  
Your Beurer Team

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## 1. Getting to know your device

Check that the device packaging has not been tampered with and make sure that all contents are present. Before use, ensure that there is no visible damage to the device or accessories and that all packaging material has been removed. If you have any doubts, do not use the device and contact your retailer or the specified Customer Services address.

The upper arm blood pressure monitor is used for non-invasive measurement and monitoring of adults' arterial blood pressure. You can use it to measure your blood pressure quickly and easily, storing the results and displaying the progression of readings together with the average.

A warning is issued for anyone suffering from cardiac arrhythmia.








The recorded values are classified and evaluated graphically. This blood pressure monitor also has a haemodynamic stability display, which is referred to as a resting indicator throughout these instructions for use. This shows whether you, and con-








sequently your circulatory system, are sufficiently at rest when the blood pressure measurement is being taken and is therefore a more precise indicator of your resting blood pressure. Read more about this in chapter 6.

## 2. Important information

### Signs and symbols

The following symbols are used in these instructions for use, on the packaging and on the type plate for the device and accessories:

	Caution
	Note Note on important information
	Follow instructions for use
	Type BF applied part
	Direct current
	Please dispose of the device in accordance with EC Directive – WEEE (Waste Electrical and Electronic Equipment).
	Dispose of packaging in an environmentally friendly manner

	Manufacturer
	Permissible storage and transport temperature and humidity
	Permissible operating temperature and humidity
	Keep dry
	Serial number
	The CE labelling certifies that the product complies with the essential requirements of Directive 93/42/EEC on medical products.
	Certification symbol for products that are exported to the Russian Federation and members of the CIS

### Advice on use

- In order to ensure comparable values, always measure your blood pressure at the same time of day.
- Before every measurement, relax for about five minutes.
- If you want to perform several measurements on the same person, wait five minutes between each measurement.
- Do not take a measurement within 30 minutes after eating, drinking, smoking or exercising.

- Repeat the measurement if you are unsure of the measured value.
- The measurements taken by you are for your information only – they are not a substitute for a medical examination! Discuss the measurements with your doctor, and never base any medical decisions on them (e.g. medicines and their administration)!
- Using the blood pressure monitor outside your home environment or whilst on the move (e.g. whilst travelling in a car, ambulance or helicopter, or whilst undertaking physical activity such as playing sport) can influence the measurement accuracy and cause incorrect measurements.
- Do not use the blood pressure monitor on newborns or patients with preeclampsia. We recommend consulting a doctor before using the blood pressure monitor during pregnancy.
- Cardiovascular diseases may lead to incorrect measurements or have a detrimental effect on measurement accuracy. The same also applies to very low blood pressure, diabetes, circulatory disorders and arrhythmias as well as chills or shaking.
- This device is not intended for use by people (including children) with restricted physical, sensory or mental skills or a lack of experience and/or a lack of knowledge, unless they are supervised by a person who is responsible for their safety or are instructed by such a person in how to use the device. Supervise children around the device to ensure they do not play with it.
- The blood pressure monitor must not be used in connection with a high-frequency surgical unit.
- Only use the device on people who have the specified upper arm measurement for the device.
- Please note that when inflating, the functions of the limb in question may be impaired.
- During the blood pressure measurement, blood circulation must not be stopped for an unnecessarily long time. If the device malfunctions, remove the cuff from the arm.
- Avoid any mechanical restriction, compression or bending of the cuff line.
- Do not allow sustained pressure in the cuff or frequent measurements. The resulting restriction of the blood flow may cause injury.
- Ensure that the cuff is not placed on an arm in which the arteries or veins are undergoing medical treatment, e.g. intravascular access or therapy, or an arteriovenous (AV) shunt.
- Do not use the cuff on people who have undergone a mastectomy.
- Do not place the cuff over wounds as this may cause further injury.
- Place the cuff on your upper arm only. Do not place the cuff on other parts of the body.
- You can either use the blood pressure monitor with batteries or with a mains part. Please note that data transfer and data storage is only possible when your blood pressure monitor is supplied with power. As soon as the batteries are empty or the mains part is disconnected from the power supply, the blood pressure monitor loses the date and time.
- To conserve the batteries, the blood pressure monitor switches off automatically if you do not press any buttons for one minute.
- The device is only intended for the purpose described in these instructions for use. The manufacturer is not liable for damage resulting from improper or careless use.





## Storage and Care

- The blood pressure monitor is made up of precision electronic components. Accuracy of readings and the instrument's service life depend on careful handling.
  - You should protect the device from impact, moisture, dirt, major temperature fluctuations and direct exposure to the sun's rays.
  - Never drop the device.
  - Do not use near strong electromagnetic fields, i.e. keep it away from any radio systems and mobile phones.
  - Only ever use the cuffs provided with the monitor or original replacement cuffs. Otherwise erroneous results will be recorded.
- If the instrument is not used for any length of time, we recommend removing the batteries.



## Notes on handling batteries

- If your skin or eyes come into contact with battery fluid, flush out the affected areas with water and seek medical assistance.
-  **Choking hazard!** Small children may swallow and choke on batteries. Store the batteries out of the reach of small children.
- Observe the plus (+) and minus (-) polarity signs.
- If a battery has leaked, put on protective gloves and clean the battery compartment with a dry cloth.
- Protect the batteries from excessive heat.
-  **Risk of explosion!** Never throw batteries into a fire.
- Do not charge or short-circuit batteries.

- If the device is not to be used for a long period, take the batteries out of the battery compartment.
- Use identical or equivalent battery types only.
- Always replace all batteries at the same time.
- Do not use rechargeable batteries.
- Do not disassemble, split or crush the batteries.



## Repair and disposal

- Batteries do not belong in domestic refuse. Used batteries should be disposed of at the collection points provided.
- Never open the instrument. If these instructions are not heeded, the warranty will be null and void.
- Never attempt to repair the instrument or adjust it yourself. We can no longer guarantee perfect functioning if you do.
- Repairs may only be performed by Customer Service or authorized dealers. However, always check the batteries and replace them if necessary prior to making any complaint.
- For environmental reasons, do not dispose of the device in the household waste at the end of its useful life. Dispose of the unit at a suitable local collection or recycling point. Dispose of the device in accordance with EC Directive – WEEE (Waste Electrical and Electronic Equipment). If you have any questions, please contact the local authorities responsible for waste disposal.

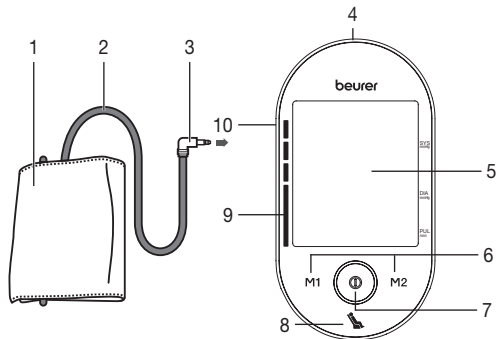




### Notes on electromagnetic compatibility



- The device is suitable for use in all environments listed in these instructions for use, including domestic environments.
- The use of the device may be limited in the presence of electromagnetic disturbances. This could result in issues such as error messages or the failure of the display/device.
- Avoid using this device directly next to other devices or stacked on top of other devices, as this could lead to faulty operation. If, however, it is necessary to use the device in the manner stated, this device as well as the other devices must be monitored to ensure they are working properly.
- The use of accessories other than those specified or provided by the manufacturer of this device can lead to an increase in electromagnetic emissions or a decrease in the device's electromagnetic immunity; this can result in faulty operation.
- Failure to comply with the above can impair the performance of the device.

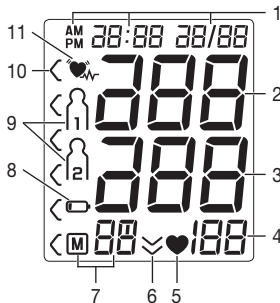
### 3. Device description



1. Cuff
2. Cuff line
3. Cuff connector
4. Connection for mains part and USB interface
5. Display
6. Memory buttons **M1/M2**
7. Start/stop button
8. Resting indicator display
9. Risk indicator
10. Connection for cuff connector (left-hand side)

### Information on the display:

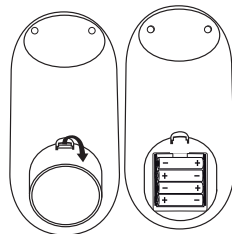
1. Date/time
2. Systolic pressure
3. Diastolic pressure
4. Pulse value
5. Pulse symbol ♥
6. Release air (arrow)
7. Number of memory space/memory display average value ( $\bar{P}$ ), morning ( $\bar{P}_M$ ), evening ( $\bar{P}_E$ )
8. Battery replacement symbol 
9. User memory  $\bar{P}_1$   $\bar{P}_2$
10. Risk indicator
11. Cardiac arrhythmia symbol 



## 4. Preparing the measurement


### Inserting the batteries

- Remove the battery compartment lid on the rear of the device.
- Insert four 1.5V AAA (alkaline type LR03) batteries. Make sure that the batteries are inserted the correct way round. Do not use rechargeable batteries.
- Close the battery compartment lid again carefully.



4 x 1.5V AAA (LR03)

All display elements are briefly displayed, 24 h flashes in the display. Set the date and time as described below.

If the battery replacement symbol  is permanently displayed, you can no longer perform any measurements and must replace all batteries. Once the batteries have been removed from the device, the date and time must be set again. Any saved measurements are retained.

### Battery disposal

- The empty, completely flat batteries must be disposed of through specially designated collection boxes, recycling points or electronics retailers. You are legally required to dispose of the batteries.

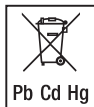
### Computer interface

The blood pressure monitor also allows you to transfer your measured values to the computer. For this, you will need a USB cable (included in delivery) and the “beurer HealthManager” computer software. The software can be downloaded free of charge from the download area under Service at [www.beurer.com](http://www.beurer.com).

### System requirements for the “beurer HealthManager” computer software

- Windows 7 SP1 or higher
- USB 2.0 (Type A) or higher

- The codes below are printed on batteries containing harmful substances:  
Pb = Battery contains lead,  
Cd = Battery contains cadmium,  
Hg = Battery contains mercury.



## Setting the hour format, date and time

This menu allows you to set the following functions, one after another.

Hour format



Date



Time

It is essential to set the date and time. Otherwise, you will not be able to save your measured values correctly with a date and time and access them again later.

- i** If you press and hold the **M1** or **M2** memory button, you can set the values more quickly.

Hour format

- Press and hold the Start/stop button **ⓘ** for 5 seconds.
- Choose the desired hour format with the **M1/M2** memory buttons and confirm with the Start/stop button **ⓘ**.

Date

- The year flashes on the display.
- Choose the desired year with the **M1/M2** memory buttons and confirm with the Start/stop button **ⓘ**.

Date

The month flashes on the display.

- Choose the desired month with the **M1/M2** memory buttons and confirm with the Start/stop button **ⓘ**.

The day flashes on the display.

- Choose the desired day with the **M1/M2** memory buttons and confirm with the Start/stop button **ⓘ**.

- i** If the hour format is set as *12h*, the day/month display sequence is reversed.

The hour flashes on the display.

- Choose the desired hour with the **M1/M2** memory buttons and confirm with the Start/stop button **ⓘ**.

Time

The minute flashes on the display.

- Choose the desired minute with the **M1/M2** memory buttons and confirm with the Start/stop button **ⓘ**.

## Operation with the mains part

You can also operate this device with a mains part. When doing so, there must not be any batteries in the battery compartment. The mains part can be obtained from specialist retailers or from the service address using order number 071.95.

- To prevent possible damage to the device, the blood pressure monitor must only be used with the mains part described here.



- Insert the mains part into the connection provided for this purpose on the blood pressure monitor. The mains part must only be connected to the mains voltage that is specified on the type plate.
- Then insert the mains plug of the mains part into the mains socket.
- After using the blood pressure monitor, unplug the mains part from the mains socket first and then disconnect it from the blood pressure monitor. As soon as you unplug the mains part, the blood pressure monitor loses the date and time setting but the saved measurements are retained.

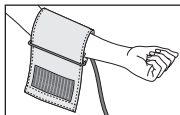
## 5. Measuring blood pressure

Please ensure the device is at room temperature before measuring.

The measurement can be performed on the left or right arm.

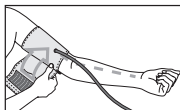
### Positioning cuff

Place the cuff onto the bare upper arm. The circulation of the arm must not be hindered by tight clothing or similar.

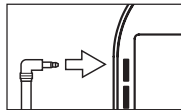
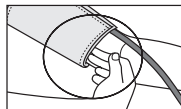


The cuff should be placed on the upper

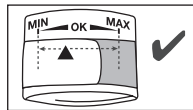
arm so that the lower edge is 2 to 3 cm above the bend of the elbow and above the artery. The tube should be in line with the centre of the palm.



Now place the free end of the cuff snugly, but not too tightly, around the arm, and fix it with the hook and loop fastener. The cuff should be fitted tight enough to allow just two fingers to fit beneath the cuff. Insert the cuff tubing into the socket for the cuff attachment. Now insert the cuff line into the connection for the cuff connector.



This cuff is suitable for you if the index mark (▼) is within the OK range after fitting the cuff on the upper arm.

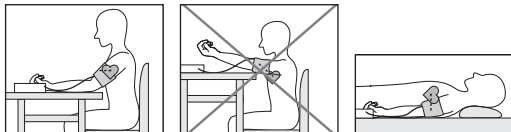


- ❗ If the measurement is performed on the right upper arm, the line should be located on the inside of your elbow. Ensure that your arm is not pressing on the line.

Blood pressure may vary between the right and left arm, which may mean that the measured blood pressure values are different. Always perform the measurement on the same arm. If the values between the two arms are significantly different, please consult your doctor to determine which arm should be used for the measurement.

**Important:** The unit may only be operated with the original cuff. The cuff is suitable for an arm circumference of 22 to 42 cm.

## Correct posture



- Rest for approx. 5 minutes before each measurement. Otherwise there may be divergences.
- You can perform the measurement either sitting or lying down. Always make sure that the cuff is on a level with your heart.
- To carry out a blood pressure measurement, make sure you are sitting comfortably with your arms and back leaning on something. Do not cross your legs. Place your feet flat on the ground.
- In order not to distort the result, it is important to keep still during the measurement and not talk.

## Performing the blood pressure measurement

As described above, attach the cuff and adopt the posture in which you want to perform the measurement.

- To start the blood pressure monitor, press the Start/stop button **1**. All display elements are briefly displayed.

The blood pressure monitor will begin the measurement automatically after 3 seconds.

The cuff automatically inflates.


- **i** Measuring can be cancelled at any time by pressing the Start/stop button **1**.

The cuff's air pressure is slowly released. If you already recognise a tendency for high blood pressure, you should reinflate the cuff and increase the cuff's pressure again. As soon as a pulse is found, the pulse symbol **♥** is displayed.

- Systolic pressure, diastolic pressure and pulse measurements are displayed.
- A symbol at the bottom of the display also lights up to indicate whether you were sufficiently relaxed during the blood pressure measurement (green symbol = sufficiently at rest; red symbol = not at rest). Observe the chapter on interpreting results/measuring the resting indicator in these instructions for use.


- **Er** appears if the measurement could not be performed properly. Observe the chapter on error messages/troubleshooting in these instructions for use and repeat the measurement.

- Now select the desired user memory by pressing the **M1** or **M2** memory buttons. If you do not select a user memory, the measurement is stored in the most recently used user memory. The relevant symbol **1** or **2** appears on the display.



- Using the Start/stop button , switch off the blood pressure monitor. The measurement is then stored in the selected user memory.  
If you forget to turn off the device, it will switch off automatically after approx. one minute. In this case too, the value is stored in the selected or most recently used user memory.
- Wait at least 5 minutes before taking another measurement!

## 6. Evaluating results

### Cardiac arrhythmia:

This instrument can identify possible cardiac arrhythmia disorders during measurement and if necessary indicates the measurement with the flashing icon .

This may be an indicator for arrhythmia. Arrhythmia is a condition where the heart rhythm is abnormal as a result of defects in the bioelectrical system controlling the heart beat. The symptoms (omitted or premature heart beats, slow or excessively fast heart rate) may be caused, among other things, by heart disease, age, physical predisposition, excessive use of stimulants, stress or lack of sleep. Arrhythmia can only be ascertained through examination by your doctor.

Repeat the measurement if the flashing icon  is displayed after the measurement. Please note that you should rest for 5 minutes between measurements and not talk or move during the measurement. If the icon  appears often, please contact your doctor. Any self-diagnosis and treatment based

on the test results may be dangerous. It is vital to follow your doctor's instructions.

### Risk indicator:

The measurements can be classified and evaluated in accordance with the following table.

However, these standard values serve only as a general guideline, as the individual blood pressure varies in different people and different age groups etc.

It is important to consult your doctor regularly for advice. Your doctor will tell you your individual values for normal blood pressure as well as the value above which your blood pressure is classified as dangerous.

The classification on the display and the scale on the unit show which category the recorded blood pressure values fall into.

If the values of systole and diastole fall into two different categories (e.g. systole in the 'High normal' category and diastole in the 'Normal' category), the graphical classification on the device always shows the higher category; for the example given this would be 'High normal'.

Blood pressure value category	Systole (in mmHg)	Diastole (in mmHg)	Action
Setting 3: severe hypertension	≥ 180	≥ 110	seek medical attention
Setting 2: moderate hypertension	160–179	100–109	seek medical attention
Setting 1: mild hypertension	140–159	90–99	regular monitoring by doctor
High normal	130–139	85–89	regular monitoring by doctor


Blood pressure value category	Systole (in mmHg)	Diastole (in mmHg)	Action
Normal	120–129	80–84	self-monitoring
Optimal	<120	<80	self-monitoring

Source: WHO, 1999 (World Health Organization)

### Measuring the resting indicator (using the HSD diagnosis)


The most frequent error made when measuring blood pressure is taking the measurement when not at rest (haemodynamic stability), which means that both the systolic and the diastolic blood pressures are distorted.

While measuring the blood pressure, the device automatically determines whether you are at rest or not.

If there is no indication that your circulatory system is not sufficiently at rest, the symbol  (haemodynamic stability) lights up green and the measurement can be recorded as a reliable resting blood pressure value.

### **GREEN: Haemodynamic stability**

Measurement of the systolic and diastolic pressure is increased when the circulatory system is sufficiently at rest and is a very reliable indicator of resting blood pressure.

However, if there is an indication that the circulatory system is not sufficiently at rest (haemodynamic instability), the symbol  lights up red.

In this case, the measurement should be repeated after a period of physical and mental rest. The blood pressure measurement must be taken when the patient is physically and mentally rested, as it will be the basis for diagnosing the blood pressure level and regulating the patient's medical treatment.

### **RED: Lack of haemodynamic stability**

It is very probable that the systolic and diastolic blood pressures have not been measured whilst the patient is at rest and the resting blood pressure measurement has therefore been distorted. Repeat the measurement after a rest and relaxation period of at least five minutes. Go to a sufficiently quiet and comfortable spot and remain there calmly; close your eyes, breathe deeply and evenly and try to relax.

If the next measurement also shows insufficient stability, you can repeat the measurement after another resting period. If the measurements continue to show some instability, identify these blood pressure measurements as having been taken when the circulatory system had not been sufficiently rested.

In this case, nervousness or inner anxiety may be the cause and this cannot be cured by brief periods of rest. Existing cardiac arrhythmias may also prevent a stable blood pressure measurement. A lack of resting blood pressure can have various causes, such as physical or mental strain or distraction, speaking or experiencing cardiac arrhythmias during the measurement.

In an overwhelming number of cases, the HSD diagnosis will give a very good guide as to whether the circulatory system is rested when taking the measurement. Certain patients suffering from cardiac arrhythmia or chronic mental conditions can remain haemodynamically unstable in the long-term, something which persists even after repeated periods of rest. The accuracy of the resting blood pressure results is reduced in these users. Like any medical measurement method, the precision of the HSD diagnosis is limited and can lead to incorrect results in some cases. The blood pressure measurements taken when the circulatory system was at rest represent particularly reliable results.

## 7. Saving, displaying and deleting measured values

### User memory

The results of every successful measurement are stored together with the date and time. If there are more than 60 measurements, the oldest measurements are lost.

- To access memory recall mode, the blood pressure monitor must first be started. To do this press the Start/stop button **ⓘ**.
- Within 3 seconds of the full-screen display appearing, select the desired user memory (**M1** **M2**) with the **M1** or **M2** memory button.

– To view the measurements for user memory **M1**, press the **M1** memory button.

– To view the measurements for user memory **M2**, press the **M2** memory button.

Your last measurement will appear on the display.

- Press the relevant memory button (**M1** or **M2**).

- ⓘ If you have selected user memory1, the **M1** memory button must be pressed.  
If you have selected user memory2, the **M2** memory button must be pressed.

**A** flashes on the display.

The average value of all saved measured values in this user memory is displayed.

### User memory

### Average values

### Average values

- Press the relevant memory button (**M1** or **M2**).

**M1** flashes on the display.

The average value of the morning measurements for the last 7 days is displayed (morning: 5.00 a.m. – 9.00 a.m.).

- Press the relevant memory button (**M1** or **M2**).

**M2** flashes on the display.

The average value of the evening measurements for the last 7 days is displayed (evening: 6.00 p.m. – 8.00 p.m.).

### Individual measured values

- When the relevant memory button (**M1** or **M2**) is pressed again, the last individual measurement is displayed (in this example, measurement 03).
- When the relevant memory button (**M1** or **M2**) is pressed again, you can view your individual measurements.
- To switch the device off again, press the Start/stop button **ⓘ**.

- ⓘ You can exit the menu at any time by pressing the Start/stop button **ⓘ**.

- To clear the memory of the relevant user memory, you must first select a user memory.
- Start individual measurement access.
- Press and hold the **M1/M2** memory buttons for 5 seconds.

All the values in the current user memory are deleted.

## 8. Transferring measurements

Connect the blood pressure monitor to your PC using the USB cable.

- i** No data transfer may be launched whilst performing a measurement.

**PC** is shown on the display. Begin the data transfer in the “beurer HealthManager” PC software. During the data transfer, an animation is shown on the display. A successful data transfer is displayed as in figure 1. If the data transfer is unsuccessful, an error message appears as in figure 2. In this case, interrupt the PC connection and start the data transfer again.

After 30 seconds of not being in use or if communication with the PC is interrupted, the blood pressure monitor switches itself off automatically.



figure 1



figure 2


## 9. Cleaning and storing the device and cuff

- Clean the device and cuff carefully using a slightly damp cloth only.
- Do not use any cleaning agents or solvents.
- Under no circumstances hold the device and cuff under water, as this can cause liquid to enter and damage the device and cuff.
- If you store the device and cuff, do not place heavy objects on the device and cuff. Remove the batteries. The cuff line should not be bent sharply.

## 10. Error messages/trouble-shooting

In case of faults, the **Er** message appears in the display.

Error messages may appear if:

- systolic or diastolic pressure could not be measured (**Er 1** or **Er 2** appears on the display)
- systolic or diastolic pressure was outside the measurement range (**Hi** or **Lo** appears on the display)
- the cuff is fastened too tightly or loosely (**Er 3** or **Er 4** appears on the display)
- the pump pressure is higher than 300 mmHg (**Er 5** appears on the display)
- pumping up takes longer than 160 seconds (**Er 6** appears on the display)
- there is a system or device error (**Er A**, **Er U**, **Er 7** or **Er B** appears on the display)
- the batteries are almost empty ,
- the data could not be sent to the PC (**PC Er** appears in the display).

In the above cases, you must repeat the measurement.

Make sure that the cuff tube is properly inserted and that you do not move or talk.


Re-insert the batteries if necessary, or else replace them.

### **Technical alarm – description**

Should the recorded blood pressure (systolic or diastolic) lie outside the limits specified in the section “Technical specifications”, the technical alarm will appear on the display indicating either “**Hi**” or “**Lo**”. In such cases, you should seek medical assistance and check the accuracy of your procedure.

The limit values for the technical alarm are factory set and cannot be adjusted or deactivated. These alarm limit values are accorded second priority under the standard IEC 60601-1-8. The technical alarm is a non-locking alarm and must not be reset. The signal shown on the display will disappear automatically after about 8 seconds.

## 11. Specifications

Model no.	BM 55
Type	M1002
Measurement method	Oscillometric, non-invasive blood pressure measurement on the upper arm
Measurement range	Cuff pressure 0–300 mmHg, systolic 60–260 mmHg, diastolic 40–199 mmHg, Pulse 40–180 beats/minute
Display accuracy	Systolic $\pm 3$ mmHg, diastolic $\pm 3$ mmHg, pulse $\pm 5$ % of the value shown
Measurement inaccuracy	Max. permissible standard deviation according to clinical testing: systolic 8 mmHg/diastolic 8 mmHg
Memory	2 x 60 memory spaces
Dimensions	L 186 mm x W 95 mm x H 56 mm
Weight	Approx. 467 g (without batteries)
Cuff size	22 to 42 cm
Permissible operating conditions	+10 °C to +40 °C, $\leq 90$ % relative air humidity (non-condensing)
Permissible storage and transport conditions	-20 °C to +55 °C, $\leq 90$ % relative air humidity, 800–1050 hPa ambient pressure
Power supply	4 x 1.5V  AAA batteries
Battery life	For approx. 200 measurements, depending on the blood pressure level and/or pump pressure

Classification	Internal supply, IPX0, no AP or APG, continuous operation, application part type BF
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The serial number is located on the device or in the battery compartment.

Technical information is subject to change without notification to allow for updates.

- This unit is in line with European Standard EN 60601-1-2 (In accordance with CISPR 11, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11) and is subject to particular precautions with regard to electromagnetic compatibility (EMC). Please note that portable and mobile HF communication systems may interfere with this unit.
- This device is in line with the EU Medical Devices Directive 93/42/EEC, the “Medizinproduktegesetz” (German Medical Devices Act) and the standards EN 1060-1 (non-invasive sphygmomanometers, Part 1: General requirements), EN 1060-3 (non-invasive sphygmomanometers, Part 3: Supplementary requirements for electro-mechanical blood pressure measuring systems) and IEC 80601-2-30 (Medical electrical equipment – Part 2–30: Particular requirements for the safety and essential performance of automated non-invasive blood pressure monitors).
- The accuracy of this blood pressure monitor has been carefully checked and developed with regard to a long useful life. If using the device for commercial medical purposes, it must be regularly tested for accuracy by appropriate means.

Precise instructions for checking accuracy may be requested from the service address.

## 12. Mains part

Model no.	LXCP12-006060BEH
Input	100–240V, 50–60 Hz, 0.5A max
Output	6V DC, 600mA, only in connection with beurer blood pressure monitor.
Supplier	Shenzhen longxc power supply co., ltd
Protection	This device is double insulated and protected against short circuit and overload by a primary thermal fuse. Make sure to take the batteries out of the compartment before using the mains adapter.
	Polarity of the the DC voltage connection
	Double insulated/equipment class 2
Enclosures and Protective Covers	Equipment enclosed to protect against contact with live parts, and with parts which can become live (finger, pin, hook test). The operator shall not contact the patient and the output plug of AC mains adapter simultaneously.



### 13. Replacement parts and wearing parts

Replacement parts and wearing parts are available from the corresponding listed service address under the stated material number.

Designation	Item number and/or order number
Universal cuff (22-42 cm)	163.946
Mains part (EU)	071.95
USB cable	163.484

### 14. Warranty/service

In case of a claim under the warranty please contact your local dealer or the local representation which is mentioned in the list "service international".

In case of returning the unit please add a copy of your receipt and a short report of the defect.

The following warranty terms shall apply:

1. The warranty period for BEURER products is either 5 years or- if longer- the country specific warranty period from date of Purchase.  
In case of a warranty claim, the date of purchase has to be proven by means of the sales receipt or invoice.
2. Repairs (complete unit or parts of the unit) do not extend the warranty period.
3. The warranty shall not be valid for damages because of
  - a. improper treatment, e.g. nonobservance of the user instructions.

- b. repairs or tampering by the customer or unauthorised third parties.
  - c. transport from the manufacturer to the consumer or during transport to the service centre.
  - d. The warranty shall not be valid for accessories which are subject to normal wear and tear (cuff, batteries etc.).
4. Liability for direct or indirect consequential losses caused by the unit are excluded even if the damage to the unit is accepted as a warranty claim.