

microlife®



BP B3 BT Bluetooth® Blood Pressure Monitor

EN → 1

Microlife AG
Espenstrasse 139
9443 Widnau / Switzerland
www.microlife.com

CE0044

IB BP B3 BT E-V11 0720

Bluetooth®

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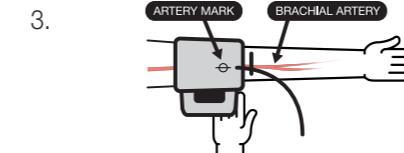
Preparation



Sit on a back-supported chair and keep your legs uncrossed. / Usiądź na krześle wspieranym plecami i nie rozstawiaj nóg. / Сядьте, не скрещивая ноги, на стул со спинкой. / Сядьте на стол с облегалка и не кръстосвайте краката си. / Așezați-vă într-un scaun cu spatar și nu încrucișați picioarele / Sedněte si na židli s opěrkou a nepřekřížujte nohy. / Sadnite si na stoličku s opierkou a neprekrižujte si nohy. / Usedite se na stol s podprtim hrbtom in nogami na tleh (ne prekrižajte jih). / Sedite na stolicu koja podupire leđa i nemojte prekrižati noge. / Üljin egy háttámlás székre és lábait ne rakja keresztbe! / Sjednite na stolicu koja podupire leđa i neka Vam noge ne budu prekrižene.



Avoid thick or close-fitting garments on the upper arm. / Unikaj grubej lub dopasowanej odzieży na ramieniu. / Освободите плечо от плотной или плотно облегающей одежды. / Избягвайте дебели или плтно прилепващи дрехи върху горната част на ръката. / Evitaj îmbracaminte groasa sau stâmta pe braț / Vyhněte se těsnému nebo přiléhavému oděvu na horní části paže. / Vyhnite sa tesnému alebo priléhavému odevu na hornej časti ramena. / Alzogibajte se tesnim oblačilom. / Izbegavajte usku odeću na nadlaktici. / Kerülje a vastag vagy szoros ruhákat a felkaron! / Izbjegavajte usku odjeću na nadlaktici.



Place the artery-mark on the cuff over your artery. / Umieść mankietę na tętnicy. / Поместите манжету так, чтобы значок артерии на манжете находился над артерией руки в сгибе локтя. / Поставете маркера на маншета върху артерията. / Plasați semnul artera al manșetei peste artera dumneavoastră / Umístěte manžetu se značkou tepny nad Vaší tepnou. / Umieštnite manžetu so značkou tepny nad Vašu tepnu. / Namestite znak za arterijo, ki je na manšeti, na vašo arterijo. / Postavite oznaku za arteriju na manžetini preko Vaše arterije. / Helyezze a mandzsetta artériajelzőjét az artériája fölé! / Postavite oznaku arterije na manžetini preko Vaše arterije.



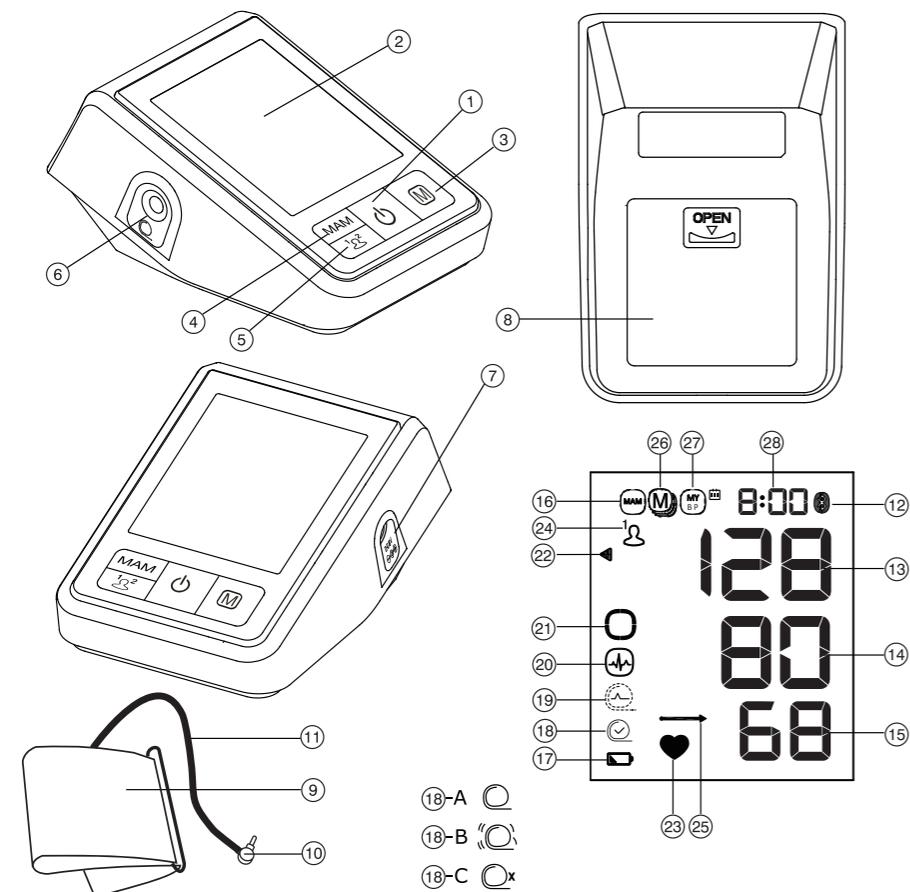
Fit the cuff closely, but not too tight. / Zacišnj mankiet dokladnie, jednak niezbyt silnie. / Поместите манжету так, чтобы она плотно, но не туго прилегала. / Стегнете добре маншета, но не твърде много. / Fixați manseta ferm dar nu prea strânsă / Nasadte manžetu těsně, ale ne příliš těsně. / Nasadte manžetu tesne, ale nie príliš tesne. / Manšeto dobro namestite, vendar ne pretesno. / Dobro zategnite manžetnu, ali ne previše stegnuto. / Rögzítse a mandzsettát szorosan, de ne feszítse meg túl erősen! / Postavite manžetu blizu, ali ne pretjesno.



Position the cuff 1-2 cm above your elbow. / Ustaw mankiet na 1-2 cm powyżej łokcia. / Расположите манжету на 1-2 см выше локтя. / Поставете маншета 1-2 см над лакътя. / Plasați manșeta cu 1-2 cm deasupra articulației / Manžetu umístěte 1-2 cm nad loket. / Manžetu umiestnite 1-2 cm nad lakef. / Namestite manšeto 1-2 cm nad komolcem. / Postavite manžetnu 1-2 cm iznad Vašeg lakta. / A mandzsetta 1-2 centiméterrel legyen a könyökétől feljebb! / Postavite manžetu 1-2 cm iznad Vašeg lakta.



Keep your arm still and do not speak during the measurement. / Trzymaj rękę nieruchomo i nie mów podczas pomiaru. / Держите руку неподвижно и не разговаривайте во время измерения. / Дръжте ръката си неподвижна и не говорете по време на измерването. / Mějte ruku uvolněnou a během měření nemluvte. / Majte ruku uvolnenú a počas merania nerozprávajte. / Držite ruku uvolnenú a počas merania nerozprávajte. / Med merjenjem roke in ne govorite. / Držite ruku mirno i nemojte pričati tokom merenja. / Ne mozgassa a karját és ne beszéljen mérés közben! / Držite ruku mirno i nemojte pričati tijekom mjerenja.



1.



Avoid eating, bathing, smoking or caffeine (approx. 30 min).
 Unikaj jedzenia, kąpiel, palenia lub kofeiny (około 30 minut).
 Избегайте приема пищи, купания, курения или приема кофеиносодержащих продуктов (прибл. за 30 минут до измерения).
 Избягвайте ядене, къпане, пушене или кофеин (около 30 минути).
 Evitajte sa mâncați, sa faceți baie, sa fumați, sau sa beți cafea (aproximativ 30 min).
 Vyhněte se jídlu, koupání, kouření nebo kofeinu (přibližně 30 minut).
 Vyhnite sa jedlu, kúpaniu, fajčeniu alebo kofeinu (približne 30 minút).
 Izogibajte se hrani, kopanju in kajenju (približno 30 minut).
 Izbegavajte hranu, kupanje, pušenje i kofein (približno 30 minuta).
 Kerülje az evést, fürdést, dohányzást vagy koffeinfogyasztást (a megelőző kb. 30 percben)!
 Izbjegavajte jesti, kupati se, pušiti i kofein (oko 30 min.)

2.



Avoid activity and relax for 5-10 min.
 Unikaj aktywności i zrelaksuj się przez 5-10 minut.
 В течение 5-10 мин. оставайтесь в расслабленном состоянии и избегайте физической нагрузки.
 Избягвайте активности и се отпуснете в продължение на 5-10 минути.
 Evitajte orice activitate si relaxati-vă 5-10 min.
 Vyhněte se fyzické aktivitě a odpočívajte 5-10 minut.
 Vyhnite sa fyzickej aktivite a odpočívajte 5-10 minút.
 Izogibajte se fizični aktivnosti in počivajte 5-10 minut.
 Izbegavajte fizičku aktivnost i opustite se tokom 5-10 minuta.
 Kerülje a fizikai tevékenységet, pihenjen 5-10 percig!
 Izbjegavajte aktivnost i opustite se 5-10 min.

3.



Measure before medication intake.
 Zmierz przed przyjęciem leku.
 Измеряйте до приема лекарства.
 Измерете преди приема на лекарството ви.
 Măsurati înainte de a lua medicația.
 Měření proveďte před přijetím léku.
 Meranie uskutočnite pred užitím liekov.
 Merjenje izvedite pred zaužitjem zdravil.
 Obavite merenje pre uzimanja leka.
 Mérjen a gyógyszer bevétele előtt!
 Izvedite mjerjenje prije nego što uzmete lijek.

Name of Purchaser / Ф.И.О. покупателя /
 Име на купувача / Numele cumpărătorului / Imię
 i nazwisko nabywcy / Jméno kupujícího / Meno
 zákazníka / Ime in priimek kupca / Ime i prezime
 kupca / Vásártó neve / Ime i prezime kupca

Serial Number / Серийный номер / Серийен
 номер / Număr de serie / Numer serijny /
 Výrobní číslo / Výrobné číslo / Serijska številka /
 Serijski broj / Sorozatszám / Serijski broj

Date of Purchase / Дата покупки / Дата на
 закупуване / Data cumpărării / Data zakupu /
 Datum nákupu / Dátum kúpy / Datum nakupa /
 Datum kupovine / Vásárlás dátuma / Datum
 kupovine

Specialist Dealer / Специализированный дилер /
 Специалист дистрибутор / Distribuitor de spe-
 cialitate / Przedstawiciel / Specializovaný dealer /
 Špecializovaný predajca / Specializirani trgovec /
 Ovlašćeni diler / Forgalmazó / Ovlašćeni prodavač

- ① ON/OFF button
- ② Display
- ③ M-button (memory)
- ④ MAM button
- ⑤ User Button
- ⑥ Cuff Socket
- ⑦ Mains Adapter Socket
- ⑧ Battery Compartment
- ⑨ Cuff
- ⑩ Cuff Connector
- ⑪ Cuff Tube

Display

- ⑫ Active Bluetooth®
- ⑬ Systolic Value
- ⑭ Diastolic Value
- ⑮ Pulse Rate
- ⑯ MAM Mode
- ⑰ Battery Display
- ⑱ Cuff Fit Check
 - A: Suboptimal Cuff Fit
 - B: Arm Movement Indicator «**Err 2**»
 - C: Cuff Pressure Check «**Err 3**»
- ⑲ Cuff Signal Indicator «**Err 1**»
- ⑳ Irregular Heartbeat (IHB) Symbol
- ㉑ MAM Interval Time
- ㉒ Traffic Light Indicator
- ㉓ Pulse Indicator
- ㉔ User Indicator
- ㉕ Average Indicator «MyCheck»
- ㉖ Stored Value
- ㉗ Clinical Blood Pressure Average «MyBP»
- ㉘ Date/Time



Read the instructions carefully before using this device.



Type BF applied part



Keep dry

Intended use:

This oscillometric blood pressure monitor is intended for measuring non-invasive blood pressure in people aged 12 years or older. It is clinically validated in patients with hypertension, hypotension, diabetes, pregnancy, pre-eclampsia, atherosclerosis, end-stage renal disease, obesity and the elderly.

Dear Customer,

This device was developed in collaboration with physicians and clinical tests carried out prove its measurement accuracy to be of a very high standard.*

If you have any questions, problems or want to order spare parts please contact your local Microlife-Customer Service. Your dealer or pharmacy will be able to give you the address of the Microlife dealer in your country. Alternatively, visit the internet at www.microlife.com where you will find a wealth of invaluable information on our products.

Stay healthy – Microlife AG!

** This device uses the same measuring technology as the award winning «BP 3BTO-A» model tested according to the British and Irish Hypertension Society (BIHS) protocol.*

Table of Contents

1. Using the Device for the First Time

- Inserting the batteries
- Setting the date and time
- Selecting the correct cuff
- Selecting the user
- Selecting standard or MAM mode

2. Checklist for Taking a Reliable Measurement

3. Taking a Blood Pressure Measurement

- Manual inflation
- How not to store a reading
- How do I evaluate my blood pressure?
- Average Indicator «MyCheck»
- Appearance of the Irregular Heartbeat (IHB) Symbol

4. Data Memory

- Viewing the average of the last 28 days
- Viewing the clinical blood pressure average «MyBP»
- Viewing the stored single values
- Clearing all values

5. Battery Indicator and Battery change

- Low battery
- Flat battery – replacement
- Which batteries and which procedure?
- Using rechargeable batteries

6. Using a Mains Adapter

7. Bluetooth® Function

8. Error Messages

9. Safety, Care, Accuracy Test and Disposal

- Safety and protection
- Device care
- Cleaning the cuff
- Accuracy test
- Disposal

10. Guarantee

11. Technical Specifications

Guarantee Card (see Back Cover)

1. Using the Device for the First Time

Inserting the batteries

After you have unpacked your device, first insert the batteries. The battery compartment (8) is on the bottom of the device. Insert the batteries (4 x 1.5 V, size AA), thereby observing the indicated polarity.

Setting the date and time

1. After the new batteries are fitted, the year number flashes in the display. You can set the year by pressing the M-button (3). To confirm and then set the month, press the MAM button (4).

2. Press the M-button to set the month. Press the MAM button to confirm and then set the day.
3. Follow the instructions above to set the day, hour and minutes.
4. Once you have set the minutes and pressed the MAM button, the date and time are set and the time is displayed.
5. If you want to change the date and time, press and hold the MAM button for approx. 3 seconds until the year number starts to flash. Now you can enter the new values as described above.

Selecting the correct cuff

Microlife offers different cuff sizes. Select the cuff size to match the circumference of your upper arms (measured by close fitting in the centre of the upper arm).

Cuff size	for circumference of upper arm
S	17 - 22 cm
M	22 - 32 cm
M - L	22 - 42 cm
L	32 - 42 cm
L - XL	32 - 52 cm

☞ Only use Microlife cuffs.

- ▶ Contact your local Microlife Service if the enclosed cuff (9) does not fit.
- ▶ Connect the cuff to the device by inserting the cuff connector (10) into the cuff socket (6) as far as it will go.

Selecting the user

This device allows to store the results for 2 individual users.

- ▶ Select the intended user (user 1 or user 2 (24)) by pressing the user button (5).

☞ Before each measurement, ensure that the correct user is selected.

Selecting standard or MAM mode

Before each measurement, select standard (single measurement) or MAM mode (automatic triple measurement). In MAM mode, 3 measurements are automatically taken in succession and the result is then automatically analysed and displayed. Because the blood pressure constantly fluctuates, a result obtained in this way is more reliable than when a single measurement is performed.

- To select MAM mode, press the MAM button (4) until the MAM-symbol (16) appears on the display. To change to standard mode (single measurement), press the MAM-button again, until the MAM-symbol disappears.

- The bottom, right hand section of the display shows a 1, 2 or 3 to indicate which of the 3 measurements is currently being taken.
- There is a break of 15 seconds between the measurements. A count down indicates the remaining time.
- The individual results are not displayed. Your blood pressure will only be displayed after all 3 measurements are taken.
- Do not remove the cuff between measurements.
- If one of the individual measurements was questionable, a fourth one is automatically taken.

2. Checklist for Taking a Reliable Measurement

- ▶ Avoid activity, eating or smoking immediately before the measurement.
- ▶ Sit down on a back-supported chair and relax for 5 minutes. Keep the feet flat on the floor and do not cross your legs.
- ▶ **Always measure on the same arm** (normally left). It is recommended that doctors perform double arm measurements on a patient's first visit in order to determine which arm to measure in the future. The arm with the higher blood pressure should be measured.
- ▶ Remove close-fitting garments from the upper arm. To avoid constriction, shirt sleeves should not be rolled up - they do not interfere with the cuff if they are laid flat.
- ▶ Always ensure that the correct cuff size is used (marking on the cuff).
 - Fit the cuff closely, but not too tight.
 - Make sure that the cuff is positioned 1-2 cm above the elbow.
 - The **artery mark** on the cuff (ca. 3 cm long bar) must lie over the artery which runs down the inner side of the arm.
 - Support your arm so it is relaxed.
 - Ensure that the cuff is at the same height as your heart.

3. Taking a Blood Pressure Measurement

1. Select standard (single measurement) or MAM mode (automatic triple measurement): see details in chapter «1.».
2. Press the ON/OFF button ① to start the measurement.
3. The cuff will now pump up automatically. Relax, do not move and do not tense your arm muscles until the measurement result is displayed. Breathe normally and do not talk.
4. The cuff fit check ⑱ on the display indicates that the cuff is perfectly placed. If the icon ⑳-A appears, the cuff is fitted suboptimally, but it is still ok to measure.

5. When the correct pressure is reached, the pumping stops and the pressure falls gradually. If the required pressure was not reached, the device will automatically pump some more air into the cuff.
6. During the measurement, the pulse indicator ㉓ flashes in the display.
7. The result, comprising the systolic ⑬ and the diastolic ⑭ blood pressure and the pulse rate ⑮ is displayed. Note also the explanations on further display symbols in this booklet.
8. When the device has finished measuring, remove the cuff.
9. Switch off the device. (The monitor does switch off automatically after approx. 1 min.).

☞ You can stop the measurement at any time by pressing the ON/OFF button (e.g. if you feel uneasy or an unpleasant pressure sensation).

☞ This monitor is specially tested for use in pregnancy and pre-eclampsia. When you detect unusual high readings in pregnancy, you should measure after a short while again (eg. 1 hour). If the reading is still too high, consult your doctor or gynecologist.

Manual inflation

In case of high systolic blood pressure (e.g. above 135 mmHg), it can be an advantage to set the pressure individually. Press the ON/OFF button after the monitor has been pumped up to a level of approx. 30 mmHg (shown on the display). Keep the button pressed until the pressure is about 40 mmHg above the expected systolic value – then release the button.

How not to store a reading

As soon as the reading is displayed press and hold the ON/OFF button ① until «M» ㉔ is flashing. Confirm to delete the reading by pressing the MAM button ④.

☞ «CL» is displayed when the reading is deleted from the memory successfully.

How do I evaluate my blood pressure?

The triangle on the left-hand edge of the display  points at the range within which the measured blood pressure value lies. The value is either within the optimum (green), elevated (yellow) or high (red) range. The classification corresponds to the following ranges defined by international guidelines (ESH, ESC, JSH). Data in mmHg.

Range	Systolic	Diastolic	Recommendation
1. blood pressure too high	≥135	≥85	Seek medical advice
2. blood pressure elevated	130 - 134	80 - 84	Self-check
3. blood pressure normal	<130	<80	Self-check

The higher value is the one that determines the evaluation.

Example: a blood pressure value of **140/80** mmHg or a value of **130/90** mmHg indicates «blood pressure too high».

Average Indicator «MyCheck»

This symbol  indicates after each measurement, if the most recent measured value lies below, above or on the same level as your stored average value (see also chapter «4. Data Memory»).

-  If the measured Systole or Diastole is more than 5mmHg higher than the stored average, the arrow shows upwards.
-  If the measured Systole or Diastole is more than 5mmHg lower than the stored average, the arrow shows downwards.
-  If the measured Systole and Diastole do not differ by more than 5mmHg from the stored average, the arrow shows straight on.
-  If the measured systole and diastole differ in different directions from the stored average, this is indicated first with the systole figure flashing, together with the up or down arrow for two seconds. Thereafter, the diastole figure flashes with the arrow pointing up or down for two seconds.

Appearance of the Irregular Heartbeat (IHB) Symbol

This symbol  indicates that an irregular heartbeat was detected. In this case, the measured blood pressure may deviate from your actual blood pressure values. It is recommended to repeat the measurement.

Information for the doctor in case of repeated appearance of the IHB symbol:

This device is an oscillometric blood pressure monitor that also measures the pulse during blood pressure measurement and indicates when the heart rate is irregular.

4. Data Memory

This device automatically stores up to 99 measurement values for each of the 2 users.

Select either user 1 or 2 by pressing the user button .

Viewing the average of the last 28 days

Press the M-button  briefly, when the device is switched off. The display first shows «**M**»  and «**28A**», which stands for the average of measurement values of the last 28 days.

 Blood pressure readings with suboptimal cuff fit -A are not considered in the average value.

Viewing the clinical blood pressure average «MyBP»

Pressing the M-button again, allows you to see the clinically relevant blood pressure average «MyBP». The display first shows «**M**»  and «MyBP» . This clinical blood pressure average is only shown when 12 clinically relevant measurement values in the last 28 days have been performed.

-  Only measurements that were performed in the morning between 05:00-10:59 or in the evening between 17:00-22:59 are considered.
-  A maximum of 4 readings per day are considered (2 from the morning and 2 from the evening).
-  Measurements performed in standard mode and in MAM-mode are considered in the average, when they have been performed during the right time of the day.
-  Measurements performed in MAM-mode or single standard mode are both classed as single measurements for working out the «MyBP average».
-  Blood pressure readings with suboptimal cuff fit -A are not considered in the average value.

Viewing the stored single values

Pressing the M-button again, allows you to see the last performed measurement. The display first shows «**M**»  and a value, e.g. «M17». This means that there are 17 single values in the memory.

Pressing the M-button again displays the previous value. Pressing the M-button repeatedly enables you to move from one stored value to another.

☞ Pay attention that the maximum memory capacity of 99 memories is not exceeded. **When the 99 memory is full, the oldest value is automatically overwritten with the 100th value.** Values should be evaluated by a doctor before the memory capacity is reached – otherwise data will be lost.

Clearing all values

Make sure the correct user is activated.

If you are sure that you want to permanently remove all stored values, hold down the M-button (the device must have been switched off beforehand) until «CL ALL» appears and then release the button. To permanently clear the memory, press the MAM button while «CL ALL» is flashing. Individual values cannot be cleared.

☞ **Cancel deletion:** press ON/OFF button ① while «CL ALL» is flashing.

5. Battery Indicator and Battery change

Low battery

When the batteries are approximately $\frac{3}{4}$ empty the battery symbol ⑰ will flash as soon as the device is switched on (partly filled battery displayed). Although the device will continue to measure reliably, you should obtain replacement batteries.

Flat battery – replacement

When the batteries are flat, the battery symbol ⑰ will flash as soon as the device is switched on (flat battery displayed). You cannot take any further measurements and must replace the batteries.

1. Open the battery compartment ⑧ at the back of the device.
2. Replace the batteries – ensure correct polarity as shown by the symbols in the compartment.
3. To set date and time, follow the procedure described in «Section 1.».

☞ The memory retains all values although date and time must be reset – the year number therefore flashes automatically after the batteries are replaced.

Which batteries and which procedure?

- ☞ Use 4 new, long-life 1.5 V, size AA alkaline batteries.
- ☞ Do not use batteries beyond their date of expiry.

☞ Remove batteries if the device is not going to be used for a prolonged period.

Using rechargeable batteries

You can also operate this device using rechargeable batteries.

- ☞ Only use «NiMH» type reusable batteries.
- ☞ Batteries must be removed and recharged when the flat battery symbol appears. They should not remain inside the device as they may become damaged (total discharge as a result of low use of the device, even when switched off).
- ☞ Always remove the rechargeable batteries if you do not intend to use the device for a week or more.
- ☞ Batteries cannot be charged in the blood pressure monitor. Recharge batteries in an external charger and observe the information regarding charging, care and durability.

6. Using a Mains Adapter

You can operate this device using the Microlife mains adapter (DC 6V, 600 mA).

- ☞ Only use the Microlife mains adapter available as an original accessory appropriate for your supply voltage.
- ☞ Ensure that neither the mains adapter nor the cable are damaged.

1. Plug the adapter cable into the mains adapter socket ⑦ in the blood pressure monitor.
 2. Plug the adapter plug into the wall socket.
- When the mains adapter is connected, no battery current is consumed.

7. Bluetooth® Function

This device can be used in conjunction with a smartphone running the «Microlife Connected Health+» App. The Bluetooth® connection is automatically active ⑫ after the measurement has been completed.

☞ To manually activate the Bluetooth®, press ON/OFF ① for 4 seconds until the Bluetooth symbol starts flashing ⑫.

For more detailed information visit www.microlife.com/connect.

8. Error Messages

If an error occurs during the measurement, the measurement is interrupted and an error message, e.g. «Err 3», is displayed.

Error	Description	Potential cause and remedy
«Err 1» 	Signal too weak	The pulse signals on the cuff are too weak. Re-position the cuff and repeat the measurement.*
«Err 2» 	Error signal	During the measurement, error signals were detected by the cuff, caused for instance by movement or muscle tension. Repeat the measurement, keeping your arm still.
«Err 3» 	Abnormal cuff pressure	An adequate pressure cannot be generated in the cuff. A leak may have occurred. Check that the cuff is correctly connected and is not too loose. Replace the batteries if necessary. Repeat the measurement.
«Err 5»	Abnormal result	The measuring signals are inaccurate and no result can therefore be displayed. Read through the checklist for performing reliable measurements and then repeat the measurement.*
«Err 6»	MAM Mode	There were too many errors during the measurement in MAM mode, making it impossible to obtain a final result. Read through the checklist for performing reliable measurements and then repeat the measurement.*
«HI»	Pulse or cuff pressure too high	The pressure in the cuff is too high (over 299 mmHg) OR the pulse is too high (over 200 beats per minute). Relax for 5 minutes and repeat the measurement.*
«LO»	Pulse too low	The pulse is too low (less than 40 beats per minute). Repeat the measurement.*
	Problem with Bluetooth® connection	If any problem occurs with the Bluetooth connection, the Bluetooth® icon  blinks rapidly for approximately 10 seconds. To solve the problem, please visit www.microlife.com/connect .

* Please immediately consult your doctor, if this or any other problem occurs repeatedly.

9. Safety, Care, Accuracy Test and Disposal



Safety and protection

- Follow instructions for use. This document provides important product operation and safety information regarding this device. Please read this document thoroughly before using the device and keep for future reference.
- This device may only be used for the purposes described in these instructions. The manufacturer cannot be held liable for damage caused by incorrect application.
- This device comprises sensitive components and must be treated with caution. Observe the storage and operating conditions described in the «Technical Specifications» section.
- Protect it from:
 - water and moisture
 - extreme temperatures
 - impact and dropping
 - contamination and dust
 - direct sunlight
 - heat and cold
- The cuffs are sensitive and must be handled with care.
- Do not exchange or use any other kind of cuff or cuff connector for measuring with this device.
- Only pump up the cuff once fitted.
- Do not use this device close to strong electromagnetic fields such as mobile telephones or radio installations. Keep a minimum distance of 3.3 m from such devices when using this device.
- Do not use this device if you think it is damaged or notice anything unusual.
- Never open this device.
- If the device is not going to be used for a prolonged period the batteries should be removed.
- Read the additional safety information provided within the individual sections of this instruction manual.
- If you suffer from a cardiac arrhythmia consult with your doctor before using the device. See also chapter «Appearance of the Irregular Heartbeat (IHB) Symbol» of this user manual.
- The measurement results given by this device is not a diagnosis. It is not replacing the need for the consultation of a physician, especially if not matching the patient's symptoms. Do not rely on the measurement result only, always consider other potentially occurring symptoms and the patient's feedback. Calling a doctor or an ambulance is advised if needed.

- **Permanently high blood pressure values can damage your health and must be treated by your doctor!**
- Always discuss your values with your doctor and tell him/her if you have noticed anything unusual or feel unsure. **Never rely on single blood pressure readings.**
- **Under no circumstances should you alter the dosages of drugs or initiate a treatment without consulting your doctor.**
- **Deviations** between measurements taken by your doctor or in the pharmacy and those taken at home are quite normal, as these situations are completely different.
- **The pulse display is not suitable for checking the frequency of heart pacemakers!**
- If you are **pregnant**, you should monitor your blood pressure regularly as it can change drastically during this time.



Ensure that children do not use this device unsupervised; some parts are small enough to be swallowed. Be aware of the risk of strangulation in case this device is supplied with cables or tubes.

Device care

Clean the device only with a soft, dry cloth.

Cleaning the cuff

The cuff delivered with this device is washable.

1. Remove the cuff connector (10) from the cuff tube (11) and carefully pull the bladder through the opening at the edge of the cuff cover.
2. Hand wash the cuff cover in soapsuds: not hotter than 30 °C.
3. Completely dry the cuff cover by linen drying.
4. Loop the cuff tube back through its opening and carefully place the bladder flat in the cuff cover.
5. Reattach the cuff connector on the cuff tube.



The bladder must lay straight in the cuff cover, not folded.



Do not use fabric softener.



WARNING: Do not wash the cuff in a washing machine or dishwasher!



WARNING: Do not dry the cuff cover in a tumble dryer!



WARNING: Under no circumstances may you wash the inner bladder!

Accuracy test

We recommend this device is tested for accuracy every 2 years or after mechanical impact (e.g. being dropped). Please contact your local Microlife-Service to arrange the test (see foreword).

Disposal



Batteries and electronic devices must be disposed of in accordance with the locally applicable regulations, not with domestic waste.

10. Guarantee

This device is covered by a **5 year guarantee** from the date of purchase. The guarantee is valid only on presentation of the guarantee card completed by the dealer (see back) confirming date of purchase or the receipt.

- Batteries and parts that become worn with use are not included.
- Opening or altering the device invalidates the guarantee.
- The guarantee does not cover damage caused by improper handling, discharged batteries, accidents or non-compliance with the operating instructions.
- The cuff has a functional guarantee (bladder tightness) for 2 years. Please contact your local Microlife-Service (see foreword).

11. Technical Specifications

Operating conditions: 10 - 40 °C / 50 - 104 °F
15 - 95 % relative maximum humidity

Storage conditions: -20 - +55 °C / -4 - +131 °F
15 - 95 % relative maximum humidity

Weight: 402 g (including batteries)

Dimensions: 138 x 94.5 x 62.5 mm

Measuring procedure: oscillometric, corresponding to Korotkoff method: Phase I systolic, Phase V diastolic

Measurement range: 20 - 280 mmHg – blood pressure
40 - 200 beats per minute – pulse

Cuff pressure display range: 0 - 299 mmHg

Resolution: 1 mmHg
pressure within ± 3 mmHg

Static accuracy: pressure within ± 3 mmHg

Pulse accuracy: ± 5 % of the readout value

Voltage source: 4 x 1.5 V alkaline batteries; size AA
Mains adapter DC 6V, 600 mA (optional)

Battery lifetime: approx. 920 measurements
(using new batteries)

IP Class: IP20

Reference to standards: EN 1060-1 /-3 /-4; IEC 60601-1;
IEC 60601-1-2 (EMC); IEC 60601-1-11

Expected service life: Device: 5 years or 10000 measurements
Accessories: 2 years

This device complies with the requirements of the Medical Device Directive 93/42/EEC.

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