

ESH
Protocol EmbeddedAHA
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WatchBP® O3

Affordable ABPM and strictly guideline-based SBPM for accurate out-of-office blood pressure measurement.

Instruction Manual



EN

microlife®

The Microlife WatchBP O3 (Out Of Office) is designed to provide reliable and unbiased ambulatory and self blood pressure measurement results, and strictly follows European Society of Hypertension (ESH) and American Heart Association (AHA) recommendations for out-of-office blood pressure measurement ¹. The WatchBP O3 device has been clinically validated according to the ESH protocol.

¹ O'Brien E, Asmar R, Beilin L, Imai Y, et al. European Society of Hypertension recommendations for conventional, ambulatory and home blood pressure measurement. European Society of Hypertension Working Group on Blood Pressure Monitoring. *J Hypertens* 2003;21:821-848.

Indications For Use

The Microlife Upper Arm Automatic Digital Blood Pressure Monitor, Model WatchBP O3 (BP3MZ1-1) is a non-invasive 24 hour ambulatory blood pressure monitor (ABPM) using oscillometric technique and an upper-arm blood pressure cuff to measure systolic and diastolic blood pressures, pulse rate for use in adults with arm cuff circumference sizes ranging from 14 -52 cm.

The memory data can be transferred to the PC running the WatchBP Analyzer software by connecting the monitor via USB cable.

Intended Use & Intended Users

This device is a non-invasive 24-hour ambulatory blood pressure monitor (ABPM) using oscillometric technique and an upper-arm blood pressure cuff to measure systolic and diastolic blood pressures for use in adults with arm cuff circumference sizes ranging from 14-52 cm.

Indication & Clinical Benefits

The clinical indications for ambulatory blood pressure monitoring include the assessments of hypertension, abnormal 24-hour blood pressure patterns, and the treatment of the patients by healthcare professionals.

Contra-indications

- The age of patients is less than 3 years old (infant or neonates).
- The measuring arm suffers from injuries (e.g. open wounds) or conditions (e.g. intravenous drip and blood vessel stent implant) making it unsuitable for surface contact or pressurization of the arm.
- The application of the cuff and its pressurization on any limb where intravascular access or therapy, or an

arterio-venous (A-V) shunt is present because of temporary interference with blood flow could result in injury to the patient.

- Avoid taking measurements on the arm on the side of a mastectomy or lymph node clearance.
- Avoid taking measurements of patients with diseases and environmental conditions that lead to uncontrollable motions (e.g. trembling or shivering).

Precautions

Follow the Instructions for Use. This document provides important product operation and safety information regarding this Blood Pressure Monitor. Please read this document thoroughly before using the device and keep it for future reference.

Follow the instructions for use in cleaning and disinfecting of the device and cuff.

Have to check with your personal physician that operation of our device does not result in prolonged impairment of the circulation of the blood of the patient before using.

Symbols & Definitions



Authorized representative in the European Community



Manufacturer



Catalog Number



Serial Number



Type BF Applied part



Refer to instruction for use



WEEE symbol: Dispose or recycle this product in accordance with local laws or regulations that apply



Do not immerse or spray the device

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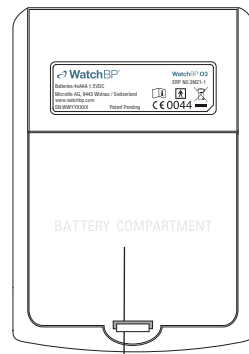
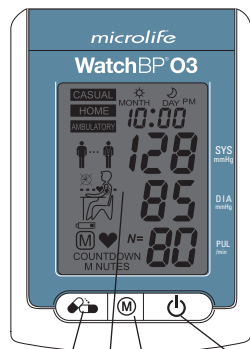
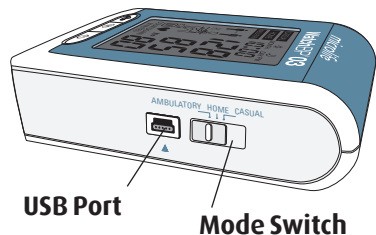
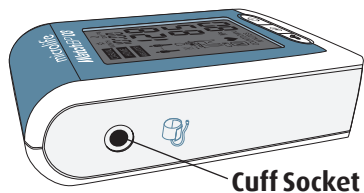
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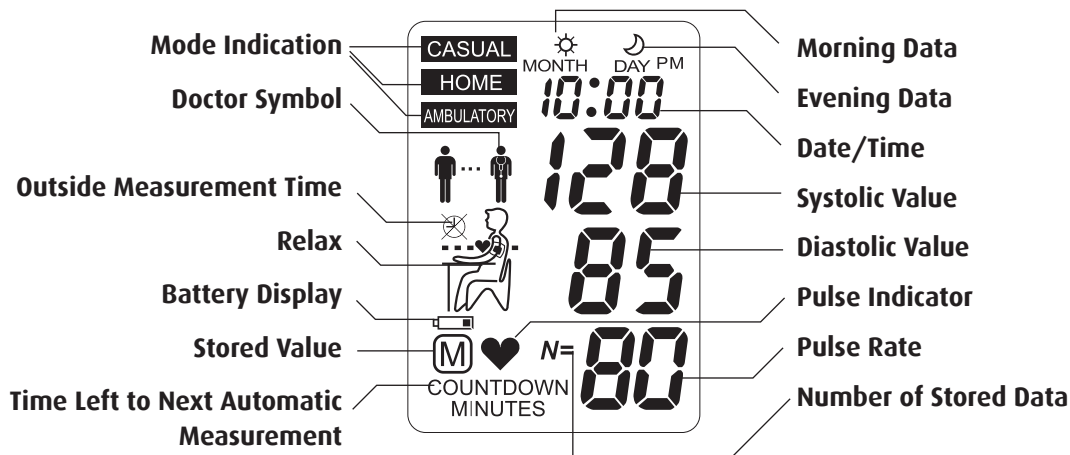
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Product description

Name of parts



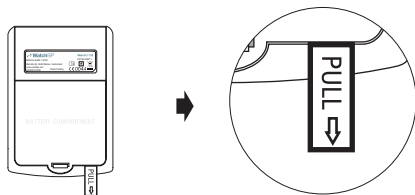
Display



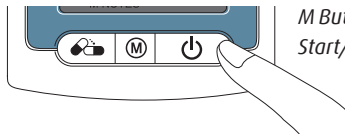
Before using WatchBP 03 for the first time

Activating the Device

Pull out the protective strip from the battery compartment.



- 1) **Set the year** – Upon removing the protective strip or installing new batteries, the Year number flashes in the display. Use the M Button to select the Year. Press the Start/Stop Button to confirm your selection.



*M Button equals select
Start/Stop Button equals confirm*



- 2) **Set the month** – Use M Button to set the Month. Press the Start/Stop Button to confirm.



- 3) **Set the day** – Press M Button to set the Day. Press the Start/Stop Button to confirm.



- 4) **Set the time** – Once the Hour and Minutes have been set and the Start/Stop Button pressed, the date and time are set, and the current time is displayed.



- 5) To change the date and time, briefly take out and put back one battery from the battery compartment. The Year number will flash. Complete the process as described above.

Confirm the cuff size

A variety of different cuff sizes are available.

Only use Microlife cuff!

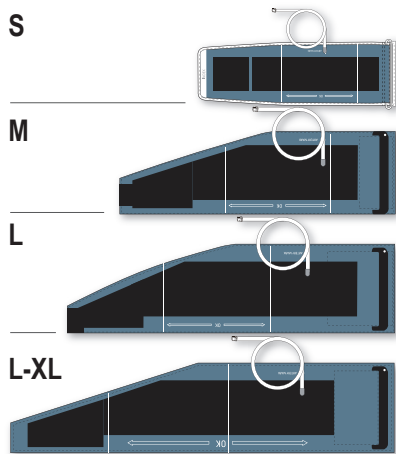
Washable cuffs are available in both nylon and cotton.

S

M

L

L-XL



Tube with cuff connector



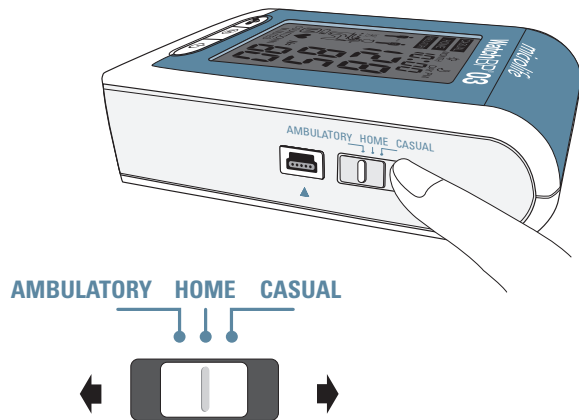
100cm tube with cuff connector

S, L-XL size cuffs can be ordered optionally.

M, L size cuffs are standard delivered.

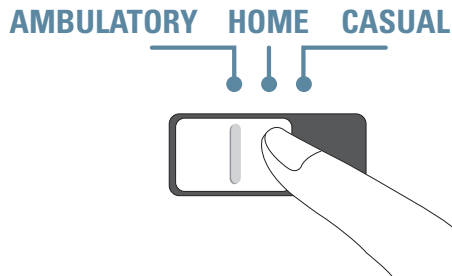
Selecting the operation mode

Prior to each measurement, use the Mode Switch on the side of the device to select the proper measurement mode. The WatchBP 03 offers three measurement modes: «**AMBULATORY**», «**HOME**» or «**CASUAL**» mode.



«**AMBULATORY**» Mode

Select «**AMBULATORY**» mode for fully programmable 24-hour patient out-of-office blood pressure measurement.



Programmable measurement intervals

The device automatically takes measurements at fixed intervals of 15, 20, 30, or 60 minutes, as programmed by the physician.

15	30	minutes
20	60	

❖ The default measurement interval is 30 minutes for the awake hours and 60 minutes for the asleep hours.

Set awake and asleep hours

To better suit each patient's lifestyle, awake and asleep hours can be programmed using the provided WatchBP O3 software. Intervals for the awake and asleep hours can also be programmed independently.

Setting Period								
Period 1	06	▼	~	22	▼	with 30	▼	minutes interval
Period 2	22	▼	~	06	▼	with 30	▼	minutes interval



Selecting the operation mode (cont.)

Two measurement periods

The awake measurement period can be programmed to start at anytime between 4AM to 10AM, and the asleep measurement period can be set to anytime between 9PM to 2AM. Measurement intervals can be set to 15, 20, 30, or 60 minutes for both awake and asleep time periods.



«HOME» Mode

Select «**HOME**» mode for patient home blood pressure measurement in accordance with the guidelines of the European Society of Hypertension (ESH) and American Heart Association (AHA).

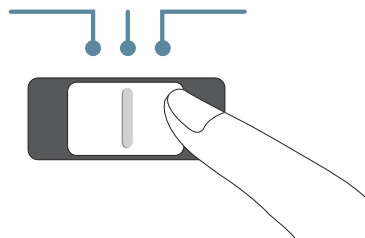
ESH

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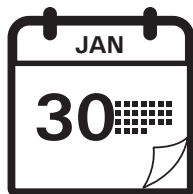
AMBULATORY HOME CASUAL



No measurements on non-work days

The patient should carry out readings on 7 consecutive working days (or normal week days),

No readings should be taken on «non-working» days (or particularly relaxing days) in this mode!



7 working days

Two sets of measurements per day

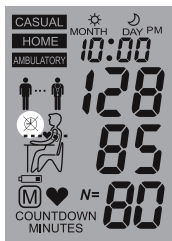
ESH guidelines recommend one double measurement be taken in the morning between 06:00 - 09:00 and one double measurement taken in the evening between 18:00 - 21:00.



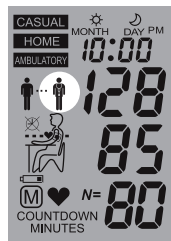
Selecting the operation mode (cont.)

Extended measurement period

The WatchBP O3 device offers an extended measurement period and allows morning measurements between 04:00 - 12:00 and evening measurements between 18:00 - 24:00.



Outside these times, measurements cannot be taken and the symbol on the left will be displayed on the screen.



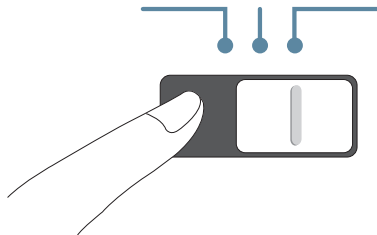
When measurements have been carried out for the full 7 days, the doctor symbol will flash on the screen.

«CASUAL» Mode

In «CASUAL» mode, the device functions like a regular blood pressure monitor – single measurements are automatically stored and can be reviewed by the physician at a later date.



AMBULATORY HOME CASUAL



250 measurements safely stored

The WatchBP O3 device can store up to 250 single measurements in «CASUAL» mode.

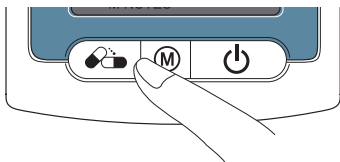
** When memory is full, each new measurement will automatically overwrite the earliest measurement.*



Recording the taking of medication

Medication record

The patient can record the time medication is taken by pressing the Medication Button.



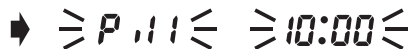
- 1) Press and hold the Medication Button for 2 seconds and the Pill icon will appear.



- 2) Release the Medication Button and the Pill icon will flash in alternation with the recorded time.



➡ **Press and hold**



- 3) Medication record is saved after the beep sound.

BEEP ➡ **saved**

❖ A Medication record can be recorded in any of the three modes.

❖ The beeper can be disabled via software setting.

50 records safely stored

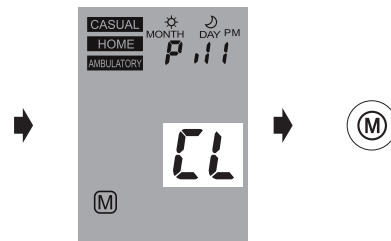
The WatchBP O3 device can store up to 50 medication records.

* When the memory is full, the device will display Full.



Delete stored medication records

To clear the memory of all medication records, press and hold the Medication Button for 7 seconds. The "CL" symbol will flash. Press M to delete the memory or ON/OFF to cancel the deletion.

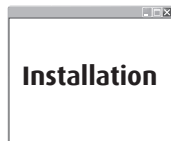


* Pressing the M Button to delete data will erase all medication record data in the selected mode.

Measurement interval programming

Installing the software program

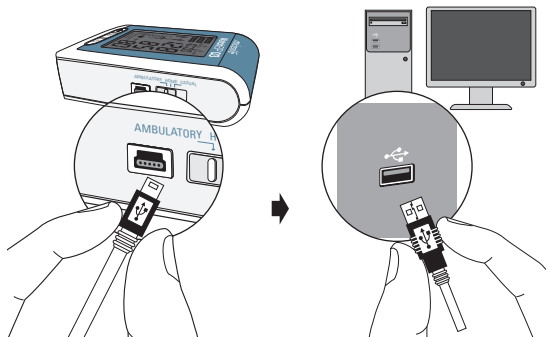
- 1) The latest WatchBP Analyzer Software is available from the Microlife website.
<https://www.microlife.com/support/software-professional-products>
- 2) Simply follow the instructions provide in the installation window on the computer screen.
- 3) When installation is finished, be sure to restart the computer before working with the program for the first time.



**Restart
your
computer**

Connecting the device to a computer

- 1) Connect the device to computer. A successful connection is displayed by «PC» on the device.
- 2) Start the software program.
- 3) Enter name, identity number, and date of birth to create a new record (if required).



Programming the measurement procedure

- 1) With “Ambulatory settings” the 24-hour measurement procedure can be programmed. Choose at what time the Day Period and Night Period starts. Using the drop-down menu on the lower-left of the screen, choose from 00 to 23 as the start of day and night periods. For instance the awake time is 06 AM and asleep time is 10 PM.

Setting Day and Night Period

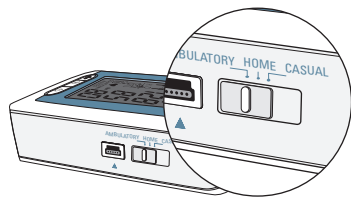
Day Period	06 ▼	~ 22 with	15 ▼	minutes interval
Night Period	22 ▼	~ 06 with	20 30 60	minutes interval

- 2) Assign the measurement intervals for the awake and asleep hours by using the drop-down menu to choose from 15, 20, 30, and 60 minutes as the measurement interval.

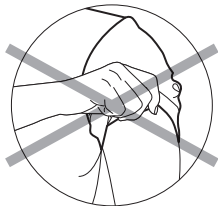
Taking blood pressure measurements

In «AMBULATORY» mode

Be sure the device is set to «**AMBULATORY**» Mode.

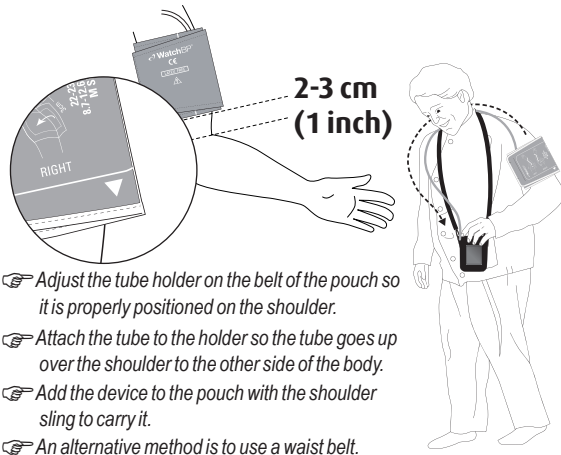


- 1) **Preparing measurement arm** – Remove all clothing covering or constricting the measurement arm.



✱ *Avoid rolling up long sleeves, as this may lead to constriction of blood flow to the measurement arm.*

- 2) **Positioning the cuff and device** – Fit the cuff closely, but not too tight. Make sure that the cuff is 2~3 cm (1 inch) above the elbow with the tube on the inside of the arm. The measurement tube should point upward and be mounted over the patient's shoulder.



- ☞ *Adjust the tube holder on the belt of the pouch so it is properly positioned on the shoulder.*
- ☞ *Attach the tube to the holder so the tube goes up over the shoulder to the other side of the body.*
- ☞ *Add the device to the pouch with the shoulder sling to carry it.*
- ☞ *An alternative method is to use a waist belt.*

- 3) **Next measurement indicator** – The device will display the next measurement time, indicated by a countdown in minutes on the display.

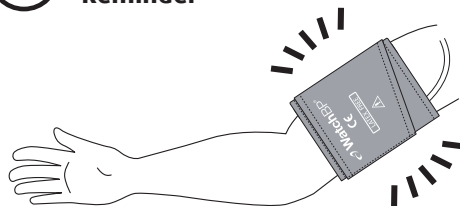


✱ The screen will display X countdown minutes to indicate the time to the next automatic measurement.

- 4) **Measurement reminder** – One minute before the next scheduled measurement, the device will partially inflate and immediately deflate the cuff to remind the patient of the next measurement.



1 min
Reminder



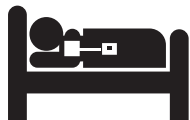
✱ Measurement reminders will be disabled when silent is clicked.

Taking blood pressure measurements (cont.)

- 5) **Measurement reminder** – Five seconds before the next measurement, the device will emit a short series of beeps to notify the patient of the coming measurement.



- ❖ The beeper of Ambulatory Mode can be disabled via software setting.



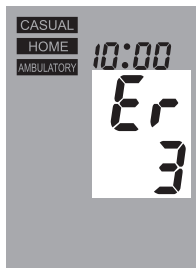
- ❖ The device will not beep when silent is clicked in «AMBULATORY» mode.

- 6) **During measurements** – the patient should be reminded to remain still, refrain from talking, and to breath normally during the measurement. If driving or operating equipment when a measurement begins, the patient should, when safe, relax the measurement arm.



- ❖ The patient can stop any single measurement at anytime by pressing the Start/Stop Button.

- 7) **Repeat measurements in the case of an error** – The device will automatically repeat the measurement after a two minute countdown should an error occur during measurement.



➔ **A repeat measurement is performed automatically if an error occurs.**

- ❖ *If the repeat measurement encounters an error again, the device will take an extra measurement after a four minutes countdown. If the extra measurement is not successfully neither, the device will record an error message.*
- ❖ *If the device stops taking measurements, the patient should return the device to the physician to determine the cause of error.*

- 8) **Storing measurement data** – The WatchBP O3 automatically stores each measurement result, along with the measurement date and time. A total of 250 measurements can be stored at once.

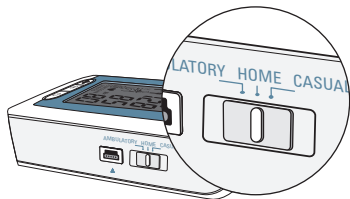


- ❖ *The display of BP reading and memory of Ambulatory Mode can be disabled via software setting.*

Taking blood pressure measurements (cont.)

In «HOME» mode

Be sure the device is set to «HOME» Mode.



- 1) **Before the measurement** – Patients should be informed to avoid physical activity, eating or smoking before each measurement. The patient should sit down for at least 5 minutes before the measurement and relax.

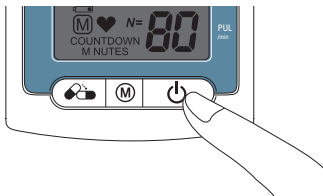


- 2) **Applying the cuff** – Patients should be trained on how to properly fit the cuff to their own arm. The cuff should fit closely around the arm, but not too tight, and be placed 2~3cm above the elbow with the tube on the inside of the arm. The patient should support the arm at the same height as the heart during measurement, comfortably seat, uncross the legs, put feet flat on the floor and the back should be supported.



- ❖ Additional instructions on taking proper blood pressure measurement can be found on the www.watchbp.com website.
- ❖ Any blood pressure reading can be affected by the measurement site, the position of the patient, exercise, or the patient's physiologic condition.

- 3) **Start the measurement** – Press the Start/Stop Button to start measurement.

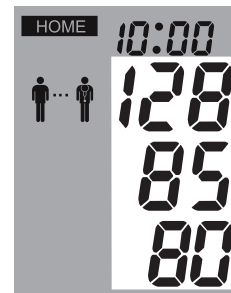


- 4) **During the measurement** – The cuff will inflate automatically. One measurement cycle includes two measurements. Once the first measurement is complete, the second measurement will begin after 60-seconds.



- 5) **Finishing the measurement** – Once the two measurements are complete, measurement data is automatically stored for later reference by the physician. If an error displays after the measurements, the process should be repeated once again.

BEEP ≤ ➔

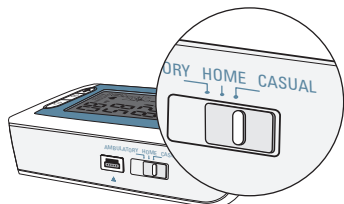


❖ *The patient should relax as much as possible and not talk during the measurement procedure or may influence the readings.*

Taking a blood pressure measurements (cont.)

In «CASUAL» mode

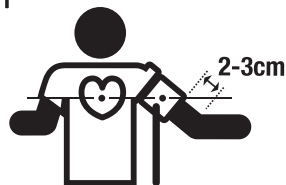
Be sure the device is set to «CASUAL» Mode.



- 1) **Before each measurement** – Patients should be informed to avoid physical activity, eating or smoking before each measurement. The patient should sit down for at least 5 minutes before the measurement and relax.

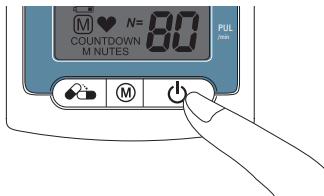


- 2) **Applying the cuff** – Patients should be trained on how to properly fit the cuff to their own arm. The cuff should fit closely around the arm, but not too tight, and be placed 2~3cm above the elbow with the tube on the inside of the arm. The patient should support the arm at the same height as the heart during measurement.

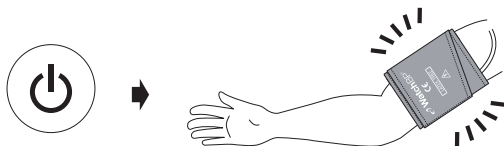


* Additional instructions on taking proper blood pressure measurement can be found on the www.watchbp.com website.

- 3) **Start the measurement** – Press the Start/Stop Button to start measurement.



- 4) **During the measurement** – The cuff will inflate automatically. A single measurement will be completed for each push of the Start/Stop Button.



- 5) **Finishing the measurement** – Once the measurement is complete, measurement data is automatically stored for later reference by the physician. If an error displays after the measurements, the process should be repeated once again.

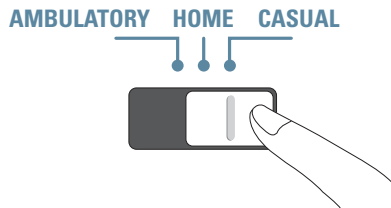
- 6) **Storing measurement data** – The WatchBP O3 automatically stores each measurement result, along with the measurement date and time. A total of 250 measurements can be stored at once.



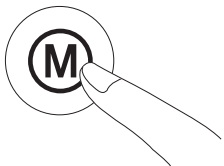
Viewing, deleting and transferring measurements

Viewing measurements

- 1) Use the Mode switch to first select the type of measurements wished to be viewed.



- 2) Then press the M Button.



In «AMBULATORY» mode

- 1) When the M Button is pressed, it briefly displays the total number of measurements stored, e.g. N=20.



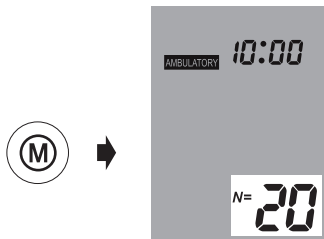
❖ «A» is displayed when the number shown is the average of all data.



❖ «- -» will display when the number of measurements is less than 12.



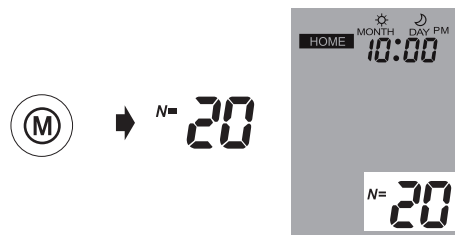
- 2) Pressing the M Button again displays the average of all periods.



- ❖ All individual readings can be viewed by repeatedly pressing the M Button.
- ❖ The display of BP reading and memory of Ambulatory Mode can be disabled via software setting.

In «Home» mode

- 1) When the M Button is pressed, it briefly displays the total number of measurements stored, e.g. N=20.



- ❖ «A» is displayed when the number shown is the average of all data.



- ❖ «- -» will display when the number of measurements is less than 12.



Viewing, deleting and transferring measurements (cont.)

- 2) Pressing the M Button again displays the average of all morning data.



- 3) Pressing M Button once again shows the average of all evening data.



✧ All individual readings can be viewed by repeatedly pressing the M Button.

In «CASUAL» mode

- 1) When the M Button is pressed, it briefly displays the total number of measurements stored, e.g. N=63, followed immediately by the average of all measurements stored in memory.



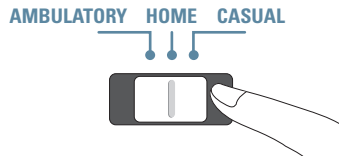
- 2) All individual readings can be viewed by repeatedly pressing the M Button.



Deleting measurements

Data from «**AMBULATORY**», «**HOME**» and «**CASUAL**» mode measurements can be deleted independent of each other.

- 1) Use the Mode switch to first select the type of measurements you wish to delete.



- 2) Press the M Button and hold it until the CL symbol flashes.



- 3) Release the M Button and press it once more while the delete symbol flashes.

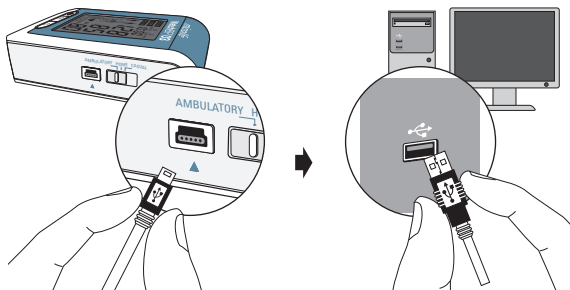


❖ Each deletion will erase entire records of each mode.

Viewing, deleting and transferring measurements (cont.)

Transferring measurements

- 1) Connect the device to computer. A successful connection is displayed by «PC» on the device.
- 2) Start the software program.
- 3) To transfer the data in all three modes and the medication compliance record, click «**Download BP data to PC**».



Software commands

Store data	Click «Save Excel report» or Save PDF report», the file name is formed automatically from the patient's identity number and the suffix «WatchBP03_(date).xls». or WatchBP03_(date).pdf»
View the data	Click <<Open file>>
Delete the memories	Click «Clear Memory»
Close the program	Click «Exit»

- ❖ Please unplug and re-plug the USB cable to the PC if the software instructs you to do so.
- ❖ The program will prompt to synchronize the date/time of the device to that of the PC.
- ❖ Stored your data before using «Clear Memory» or «Exit».
- ❖ System Requirements: 1GHz CPU, 512MB Memory, 4.5GB free hard disk space, Microsoft Windows 10/ 11.

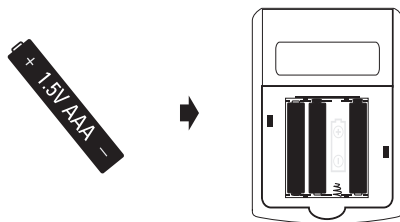
Appendix

Ensure using new batteries

New batteries should be used for each patient monitoring session. “AAA” alkaline batteries are the main power source of watchBP O3.

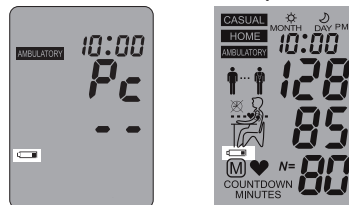
How to Replace batteries

- 1) Open the battery compartment at the back of the device.
- 2) Put in the batteries – Be sure to have correct polarity as shown by the symbols in the compartment.



Battery indicator

When the device is connected to a computer, the pump runs for 1 second instantaneously. The “Pc --” is displayed. The voltage of the batteries is displayed on the PC screen. If the voltage is low, the buzzer of the device beeps. The battery icon and number indicating voltage are displayed on the screen of device. It is a reminder for replacing new batteries. The buzzer keeps beeping until the batteries are replaced.



- ❖ *Caution: do not use rechargeable batteries.*
- ❖ *Use 4 new, long-life 1.5V, size AAA alkaline batteries.*
- ❖ *Do not use batteries out of expiration date.*
- ❖ *Remove batteries if the device will not be used for a prolonged period.*

Safety, care, accuracy test and disposal



Read the instruction manual carefully before using this device, especially the safety instructions, and keep the instruction manual for future use.

Safety and protection

This device may be used only for the purpose described in this booklet. The device comprises of sensitive components and must be treated with caution. The manufacturer cannot be held liable for damage caused by incorrect application.



- Avoid kinking, compression, and moving of the cuff tube during device operation to ensure the safety of the patient and reliability of the device performance. If the connected tube is kinking, it may cause continuously elevation of the cuff pressure and interference of the blood flow, then might result in harmful injury to the patient.
- Overly frequent measurement within a short time (e.g. 5 – 10 minutes) may reduce peripheral perfusion and cause injury. After a measurement is completed, loosen the cuff and rest the arm for a few minutes to restore limb perfusion, before taking another measurement.
- Interruption of blood flow during measurement may temporarily affect the operations of other medical equipment used on the same limb (e.g. pulse oximeter).
- Beware the risk of strangulation by the supplied cable and tubes of the device.
- Do not use the accessories which were not provided by Microlife, or it may cause unpredictable risks.
- Ensure that children do not use the device unsupervised; some parts are small enough to be swallowed.
- Only activate the pump when cuff is installed.
- Do not use the device if you think it is damaged or if anything appears unusual.
- Read the further safety instructions in the individual sections of the instruction manual.
- Do not connect the device to a computer until prompted to do so by the computer software.

Observe the storage and operating conditions described in the “Technical specifications” section of this manual.



Protect the device from water and moisture



Protect the device from direct sunlight



Protect the device from extreme heat and cold, cold, humidity, and altitude. Outside the ranges of the stated environments in our technical description may affect the performance of the device.



Avoid proximity to electromagnetic fields, such as those produced by mobile phones



Never open device



Protect device from impact and drops



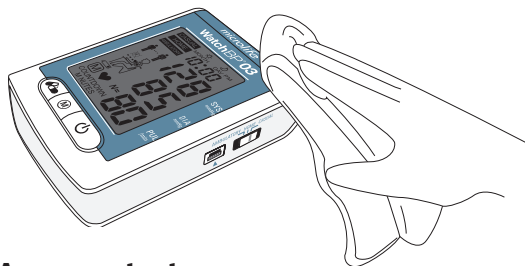
Do not immerse or spray the device

Device cleaning and disinfecting

Use a soft cloth with one of the following recommended cleaning solutions to wipe the exterior of the device:

- Mild soap and water
- Hydrogen peroxide solution (3% diluted with water)
- Sodium hypochlorite solution (1:10 dilution of household chloride bleach in water)
- Isopropyl alcohol (70% solution)

Then wipe the exterior of the device with a soft, dry cloth.



Accuracy test

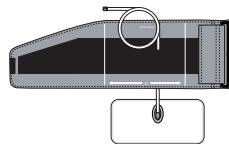
We recommend the WatchBP O3 device be tested for accuracy every 2 years or after mechanical impact (e.g. being dropped). Please contact Microlife to arrange for an accuracy test.

Cuff cleaning and disinfecting

Take out the bladder. Fold and place the cuff cover inside a washing bag. Wash the cuff cover with warm water (43°C; 110°F) and a mild detergent in the washing machine.

Pasteurization: wash the cuff cover in 75°C (167°F) hot water for 30 minutes.

- * *Under no circumstances may you wash the cuff bladder.*
- * *The bladder must lay flat inside the cuff cover without folding.*
- * *Do not immerse or spray the device.*
- * *Do not iron the cuff.*
- * *Please disinfect before the next person uses it.*



Do not iron the cuff!

Disposal

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

Error messages

If an error occurs during measurement, the measurement is interrupted and an error message «Er» is displayed.



- Please consult your doctor, if this or any other problem occurs repeatedly.
- If you think the results are unusual, please read through the information in this instruction manual carefully.



Error	Description	Potential cause and remedy
«Er 1»	Signal too weak	The pulse signals on the cuff are too weak. Re-position the cuff and repeat the measurement.
«Er 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.

«Er 3»	No pressure in the cuff	An adequate pressure cannot be generated in the cuff. A leak may have occurred. Replace the batteries if necessary. Repeat the measurement. If the time of measurement is more than 165 seconds, the buzzer keeps beeping until the user presses a button to reset it.
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«Er 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.
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«Er F»	The device has gone into “single fault condition”	Single fault condition means that the measurement is aborted to protect the patient from being harmed or the device from being damaged. Press a button to reset the buzzer, re-position the cuff, restart the device, and then repeat the measurement. Turn off and turn on the device and repeat the measurement. If the error persists, contact Microlife or the local distributor.
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«HI»	Pulse or cuff pressure too high	The pressure in the cuff is too high (over 300 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.

Technical Specifications

Operating conditions:

- 10 to 40 °C (50 to 104 °F) / 15 - 85 % relative maximum humidity / 700 to 1060 hPa

Storage conditions:

- -20 to +55 °C (-4 to +131 °F) / 15 - 90 % relative maximum humidity / 700 to 1060 hPa

Weight:

- 260g (including batteries)

Dimensions:

- 115 x 80 x 35 mm

Measuring procedure:

- Oscillometric, corresponding to Korotkoff method: Phase I systolic, Phase V diastolic

Measurement range:

- SYS: 60~255 mmHg
- DIA: 30~200 mmHg
- Pulse: 30 - 199 beats per minute

Ingress Protection (IP) Rating:

- IP22: Protected against solid foreign objects of 12.5 mm diameter and greater. Protected against vertically falling water drops when the device is tilted up to 15°
- The device must be worn inside the "WatchBP O3 Zipper Pouch" just can approach IP22.

Cuff pressure display:

- Range: 0 - 299 mmHg
- Resolution: 1 mmHg
- Static accuracy: pressure within ± 3 mmHg
- Pulse accuracy: ± 5 % of the readout value

Expected service day:

- Device: 30,000 measurements or 2 years, whichever earlier
- Cuff: 5,000 measurements or 1 year, whichever earlier
- Battery: Approx. 900 measurements (w/ new Alkaline AAA batteries)

Power source:

- 4X1.5 V Alkaline Batteries; size AAA

Reference to Standards:

- Device corresponds to the requirements of the standard for non-invasive blood pressure monitor.
IEC 60601-1
IEC 60601-1-2
IEC 80601-2-30
ISO 81060-2

Electromagnetic compatibility:

- Device fulfills the stipulations of the standard IEC 60601-1-2.



Type BF applied part

C €0044

The stipulations of the EU Directive 93/42/EEC for Medical Devices Class all have been fulfilled.

- * *The device will be ready within 24 hours from any temperature among storage condition back to the room temperature.*
- * *Microlife reserves the right to alter technical specifications without prior written notice.*

Guarantee Card

This device is covered by a two-year guarantee from the date of purchase. This guarantee is valid only on presentation of the guarantee card completed by the owner confirming date of purchase or purchase receipt. Batteries and wearing parts are not covered by this guarantee.

Name: _____

Address: _____

Date: _____

Telephone: _____

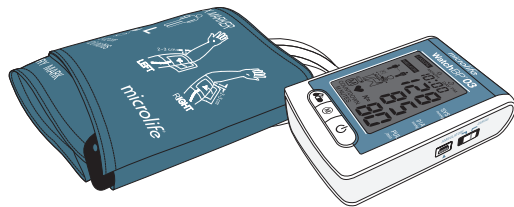
Email: _____

Product: WatchBP 03

Product Number: BP3MZ1-1

Serial Number:

Date:



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