

microlife[®]

A partner for people. For life.

Let's work
together for
better health.



Microlife **WatchBP**

Professional blood pressure monitors

The professional cardiovascular management solution for better diagnosis of heart diseases and stroke risks

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WatchBP

The professional cardiovascular management solution for better diagnosis of heart diseases and stroke risks

Clinical blood pressure measurement has limited accuracy because of:

- ✓ Blood pressure variability
- ✓ White coat effect/hypertension
- ✓ Masked hypertension

Therefore, guidelines recommend:

- ✓ Ambulatory (24-hour) blood pressure measurement
- ✓ Self-measurement of blood pressure at home
- ✓ Unattended automated office blood pressure measurement

Additional cardiovascular screening is also recommended for:

- ✓ Atrial Fibrillation (AF)
- ✓ Peripheral arterial disease
 - Ankle Brachial Index (ABI)
 - Inter-Arm Difference (IAD)
 - Pulse Wave Velocity (PWV)
- ✓ For special patient groups, WatchBP devices are validated and recommended to measure:
 - Children from the age of 3 years
 - Pregnant women with or without pre-eclampsia
 - Patients with end stage renal disease
 - Diabetes patients
 - Elderly
 - Patients with hypotension
 - Patients with atrial fibrillation

Microlife WatchBP presents a solution that makes screening for these important cardiovascular risks easy, fast and accurate.



AFIB Detection
(Microlife Technology)



Protocol Embedded



Protocol Embedded



Protocol Embedded

Product overview

WatchBP Products

Office Blood Pressure Measurement



Ambulatory Blood Pressure Measurement



Self-Measurement of Blood Pressure at Home



Accuracy and validations

Clinically validated blood pressure monitors

All Microlife WatchBP devices are validated according to the established international protocols.

Clinical devices

WatchBP Device	Validation protocol		Circumstance
	BIHS	AAMI / ISO / ESH	
Office Vascular	A/A	Pass	At rest/ L-XL Size cuff /children >3 year
Office 2G		Pass	At rest/ L-XL Size cuff /children >3 year
Office ABI	A/A	Pass	At rest/ L-XL Size cuff /children >3 year
Office AFIB	A/A	Pass	At rest/ L-XL Size cuff /children >3 year

*All devices are validated for L-XL size cuff and for children from the age of 3 years old.

Ambulatory blood pressure monitoring devices

WatchBP Device	Validation protocol		Circumstance
	BIHS	AAMI / ISO / ESH	
O3 2G		Pass	At rest/ L-XL Size cuff /children >3 year
O3 AFIB		Pass	At rest/ L-XL Size cuff /children >3 year
O3 Ambulatory		Pass	At rest/ L-XL Size cuff /children >3 year

Self-measurement devices

WatchBP Device	Validation protocol		Circumstance
	BIHS	AAMI / ISO / ESH	
Home A BT (Bluetooth®)	A/A	Pass	At Rest
		Pass	L-XL Size Cuff
Home A	A/A	Pass	At Rest
		Pass	L-XL Size Cuff
Home	A/A	Pass	At Rest
	A/A		Pregnancy
	B/A		Pre-eclampsia
		Pass	L-XL Size Cuff
Home S		Pass	WatchBP Home Equivalence

BIHS, British and Irish Hypertension Society;

AAMI, Association for the Advancement of Medical Instrumentation;

ISO, International Organization for Standardization;

ESH, European Society of Hypertension.



Special patient validations

About special patient validations

Because of the technique that is used in automated oscillometric blood pressure monitors, they can be inaccurate when used in so-called special patient groups. This can lead to the fact that a blood pressure monitor that is validated in “regular subjects” may not give accurate readings when used e.g. during pregnancy or when used in children, elderly or diabetes patients. This can have serious clinical consequences.

Therefore, medical standard authorities require that a blood pressure monitor may only be recommended for such a special patient group if it has been validated for this specific group.

Microlife blood pressure monitors have passed many of these challenging validations so that they now may be recommended for almost all special patient groups.

	Stiff arteries						Very low BP values		Cuff fit		AF*
	ESRD*	Diabetes	Elderly	Dialysis	Pre-eclampsia	Pregnancy alone	Hypotension	Children & adolescents	Obesity	Cuff wide-range	
Microlife	●	●	●	●	●	●	●	●	●	●	●

*ESRD, end-stage renal disease; AF, atrial fibrillation

Accurate measurement for End Stage Renal Disease



Patients with moderate to severe renal disease have a very high incidence of hypertension, paired with stiff (calcified) arteries. As automated measurements can be influenced by stiff arteries, a special validation is required before blood pressure monitors can be recommended for use among patients with end stage renal disease.

Available models:

WatchBP Office Vascular
WatchBP Office 2G
WatchBP Office ABI
WatchBP Office AFIB

WatchBP O3 2G
WatchBP O3 AFIB
WatchBP O3 Ambulatory

WatchBP Home A BT
WatchBP Home A
WatchBP Home
WatchBP Home S



What is Pre-eclampsia?

Pre-eclampsia is defined as new hypertension and substantial proteinuria after 20 weeks gestation. Due to the unpredictable nature of pre-eclampsia, hypertensive women must have their blood pressure measured frequently.

Accurate measurement for Pre-eclampsia

Most oscillometric blood pressure monitors underestimate blood pressure in pre-eclampsia. For this reason, oscillometric blood pressure monitors may only be recommended for use in pregnancy when specifically tested in this special patient group. The WatchBP Home allows pregnant women to measure their blood pressure at home which could reduce the number of hospital visits and may help to make motherhood safer.

Available Models:

WatchBP Office Vascular	WatchBP O3 2G
WatchBP Office 2G	WatchBP Home
WatchBP Office ABI	
WatchBP Office AFIB	



Accurate measurement for children

Currently, blood pressure measurement is an important part of routine paediatric physical examination. However, as children have a high respiration rate and have difficulties in sitting still, one needs a blood pressure monitor with a high-quality algorithm that can filter out these artefacts. In addition, a wide cuff range is needed that covers very small to large arm circumferences. The WatchBP blood pressure monitor has proven to cover all these aspects and therefore can be recommended for children and adolescents aged 3 to 18 years old.

Available models:

WatchBP Office Vascular	WatchBP O3 2G
WatchBP Office 2G	WatchBP O3 AFIB
WatchBP Office ABI	WatchBP O3 Ambulatory
WatchBP Office AFIB	WatchBP Home



Accurate measurement for diabetes patients

Patients with Diabetes Mellitus type 1 and 2 may have stiff arteries that can affect the blood pressure measurement. A recent validation study in diabetes patients type 1 and 2 showed that the WatchBP monitor is accurate when used in this patient group.

Available models:

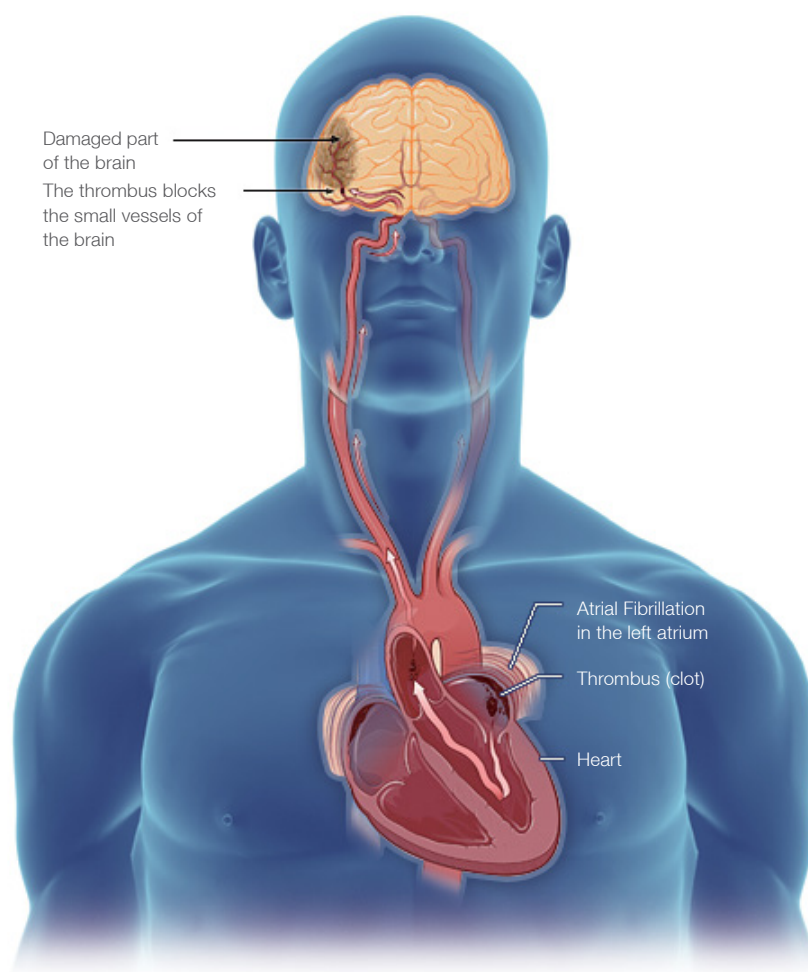
WatchBP Office Vascular	WatchBP O3 2G	WatchBP Home A BT
WatchBP Office 2G	WatchBP O3 AFIB	WatchBP Home A
WatchBP Office ABI	WatchBP O3 Ambulatory	WatchBP Home
WatchBP Office AFIB		WatchBP Home S

Early detection of
Atrial Fibrillation
can reduce the risk
of stroke by 68%.



What is Atrial Fibrillation (AF)?

AF is the most common sustained cardiac arrhythmia occurring in 5% of the population of 65 years and above and in 14% among those older than 85 years old. AF leads to a 5-fold higher risk of stroke and is responsible for 20% of all strokes. Many people have no symptoms from AF and therefore remain undiagnosed, whereas early treatment can reduce the risk of stroke by up to 68%.



Stroke due to Atrial Fibrillation

Early detection and prevention

WatchBP monitors with Atrial Fibrillation (AF)

detection system

WatchBP monitors with implemented AF detection system (AFIB) allow patients to be screened for AF during blood pressure measurement. WatchBP AFIB has consistently proven its accuracy and showed that it leads to increased detection of new patients with AF when used in general clinical practice.

Early detection of AF followed by adequate treatment can reduce the risk of a stroke by up to 68%

Wrist palpation

Wrist palpation, although commonly performed, has a low reliability.



Best clinical practice

A symbol appears on the LCD screen when AF is detected.



“WatchBP Home A should be used for hypertension monitoring in primary care”

Tested and approved for detecting Atrial Fibrillation

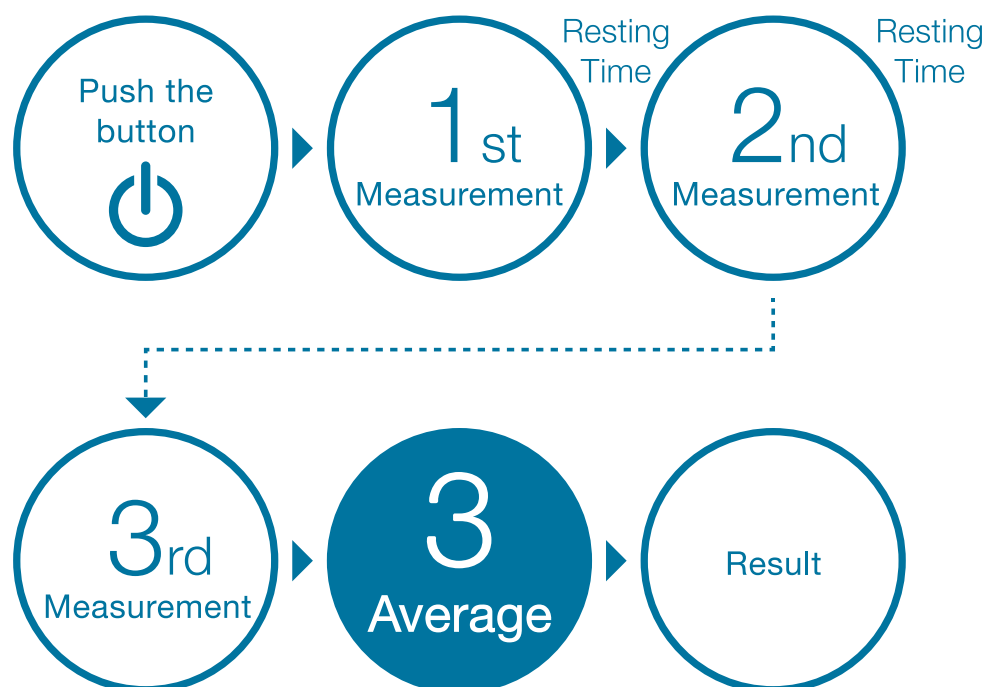
WatchBP AFIB detects Atrial Fibrillation with high accuracy (sensitivity 98%, specificity 92%) as demonstrated in multiple comparative studies with ECG.

Advanced measurement technology

Advanced guideline-based measurements

The advantages of 3 consecutive measurements

- Superior reliability for blood pressure monitoring.
- Performing three sequential measurements diminishes the influence of an occasional deviating (high) reading.



Guidelines recommend taking at least two blood pressure readings each time and averaging the measurements, for a more reliable result.

Efficient screening for Peripheral Arterial Disease (PAD)

WatchBP monitors with Ankle Brachial Index (ABI) assessment system

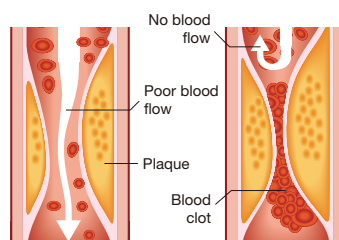
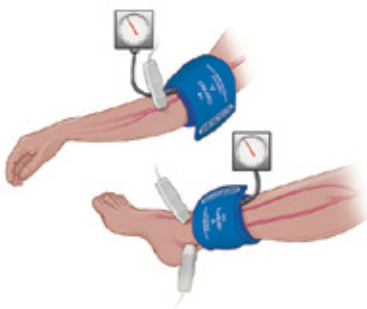
WatchBP Office ABI monitors help physicians to diagnose PAD efficiently by performing ankle-arm blood pressure measurements to assess the Ankle Brachial Index. Accurate and easy to use.



What is Peripheral Arterial Disease (PAD)?

PAD is a frequently occurring cardiovascular risk factor that often remains undetected for a long time. In fact, 50% of all patients who have it usually show no symptoms. Patients with PAD have a three-fold higher risk of myocardial infarction, stroke, and death.

Peripheral Arterial Disease (PAD)



Narrow artery

Blocked artery

Ankle Brachial Index is commonly assessed with a Doppler device. This method is time consuming and prone to error.

Fatty substances on the arterial wall

WatchBP Office ABI is easy, fast and accurate for ABI assessment

Features overview

WatchBP Office

WatchBP Device	3 Consecutive measurements	Double arm measurement	Auscultatory mode	AFIB detection	ABI assessment	Central BP measurement	AOBPM* (SPRINT algorithm)	PWV Measurement	PC link	Bluetooth® connectivity	Special patient validations			
											End-stage renal disease	Diabetes patients	Pregnancy & pre-eclampsia	Children age 3+
Office Vascular	●	●		●	⊙	⊙	●	⊙	●	●	●	●	●	●
Office 2G	●		●	⊙		⊙	●		●	●	●	●	●	●
Office ABI	●	●		●	●		●		●		●	●	●	●
Office AFIB	●	●	●	●			●		●		●	●	●	●

⊙ Optional;

* Automated Office Blood Pressure Measurement

WatchBP O3 Ambulatory

WatchBP Device	24-hour ambulatory BP monitoring	AFIB detection	Central BP measurement	Night-time measurement	Pill button	PC link	Bluetooth® connectivity	End-stage renal disease	Special patient validations		
									Diabetes patients	Pregnancy & pre-eclampsia	Children age 3+
O3 2G	●	⊙	⊙	●	●	●	●	●	●	●	●
O3 AFIB	●	●		●	●	●		●	●	●	●
O3 Ambulatory	●			●	●	●		●	●	●	●

⊙ Optional;

WatchBP Home

WatchBP Device	Single measurement	3 Consecutive measurements	AFIB detection	ESH/AHA/BIHS Guidelines embedded	PC link	Bluetooth® connectivity	End-stage renal disease	Diabetes patients	Pregnancy & pre-eclampsia
Home A BT (Bluetooth®)		●	●	●	●	●	●	●	
Home A		●	●	●	●		●	●	
Home	●			●	●		●	●	●
Home S		●	●				●	●	

microlife®

SCREEN

WatchBP Office

Guideline-Based
professional blood
pressure monitors



WatchBP Office



Microlife AFIB technology

Screens for Atrial Fibrillation during blood pressure measurement.



ABI assessment

Fast, easy and reliable simultaneous ankle-arm blood pressure measurement for screening of peripheral arterial disease.



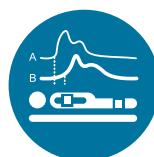
Double arm measurement

Unique dual-cuff design for assessing inter-arm blood pressure differences.



Central blood pressure measurement

Non-invasive, reliable method based on brachial pulse volume plethysmography (PVP) waveforms.



Brachial-ankle PWV assessment

User-friendly with high reproducibility cuff-based brachial-ankle PWV measurement method to evaluate arterial stiffness.



PC link

Transmit all measurement data to PC via USB connection.



Auscultatory mode

For use in e.g. elderly, obese and those with arrhythmia.



SPRINT algorithm

Enables Automated Office Blood Pressure Measurement including the "SPRINT Algorithm" (5 min countdown time followed by 3 consecutive measurements with a 1 minute interval between each reading).

Available models



WatchBP Office Vascular

Accurate blood pressure and cardiovascular screening monitor with multiple features and easy to use.



WatchBP Office 2G

Accurate automated office blood pressure (AOBP) monitor with flexible measurement schedule options.



WatchBP Office ABI

Cardiovascular screening device. Dual-cuff blood pressure monitor with Atrial Fibrillation detection and Ankle-Brachial Index function.



WatchBP Office AFIB

Dual-cuff blood pressure monitor with Atrial Fibrillation detection and auscultatory measurement function.

WatchBP Device	3 Consecutive measurements	Double arm measurement	Auscultatory mode	AFIB detection	ABI assessment	Central BP measurement	AOBPM* (SPRINT Masurement algorithm)	PWV Measurement	PC link	Bluetooth® connectivity	Special patient validations			
Office Vascular	●	●		●	⊙	⊙	●	⊙	●	●	●	●	●	●
Office 2G	●		●	⊙		⊙	●		●	●	●	●	●	●
Office ABI	●	●		●	●		●		●		●	●	●	●
Office AFIB	●	●	●	●			●		●		●	●	●	●

⊙ Optional;

* Automated Office Blood Pressure Measurement

WatchBP Office Vascular

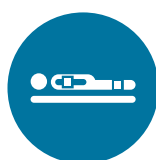
Professional automated office blood pressure monitor



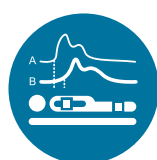
Double Arm Measurement



AFIB



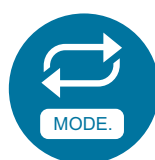
ABI assessment



baPWV assessment



Central blood pressure measurement



Flexible BPM schedule



SPRINT algorithm



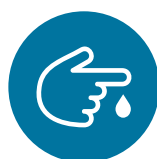
Upgradeable device version



PC link



For use in end stage renal disease



For use in diabetes patients



For use in pregnancy



For use in children



- ✓ Validated with clinical A/A grade according to the British and Irish Hypertension Society (BIHS), and clinically validated according to AAMI/ ISO standards for many special patient groups including children from the age of 3 and patients with end stage renal disease, diabetes, pregnancy pre-eclampsia and large arm circumference.
- ✓ Mean Arterial Pressure (MAP) and Pulse Pressure (PP).
- ✓ Rechargeable battery, energy-efficient and environmentally friendly.
- ✓ Free WatchBP Analyzer (2G) software can be downloaded from the website:
<https://www.microlife.com/support/software-professional-products>



Inter-Arm-Difference (IAD)

Dual-cuff design for simultaneous measurement on both arms to assess the Inter-Arm-Difference (IAD).



AFIB

Reliable AFIB screening

Screens for Atrial Fibrillation (AF) with high accuracy (sensitivity 98% - specificity 92%) as demonstrated in multiple comparative studies with 12-lead ECG.



ABI assessment (optional)

Fast, easy, and accurate Ankle Brachial Index (ABI) assessment.



Brachial-ankle PWV assessment (optional)

User-friendly with high reproducibility cuff-based brachial-ankle PWV measurement method to evaluate arterial stiffness.



Non-invasive central blood pressure measurement (optional)

Determines blood pressure of the ascending aorta based on Pulse Volume Plethysmography (PVP) waveforms to help in making a reliable diagnosis of cardiovascular risk and hypertension.



Flexible BPM schedule

Enables the physicians to adjust the settings of time intervals and numbers of consecutive measurements to comply with different guidelines.



SPRINT algorithm

Enable the physicians to perform automated office blood pressure measurements (AOBPM).



Upgradeable (optional)

Allows on-demand paid upgrades of “ABI Version” (ABI included) or “PWV Version” (ABI, brachial-ankle pulse wave velocity (baPWV) and central blood pressure included).

Features overview

Office Vascular model types	AFIB	IAD	ABI	PWV	CBP	Flexible BPM schedule	Rechargeable battery	USB connectivity	Bluetooth connectivity	WatchBP Analyzer	Special patient validations			
											End-stage renal disease	Diabetes patients	Pregnancy & pre-eclampsia	Children age 3+
Advanced	●	●				●	●	●	●	●	●	●	●	●
ABI	●	●	●			●	●	●	●	●	●	●	●	●
PWV	●	●	●	●	●	●	●	●	●	●	●	●	●	●



WatchBP Office 2G

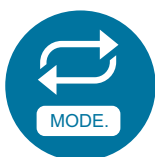
Professional automated office blood pressure monitor



AFIB



Central blood pressure measurement



Flexible BPM schedule



3 consecutive measurements



SPRINT algorithm



PC link



Upgradeable device version



Auscultatory mode



For use in end stage renal disease



For use in diabetes patients



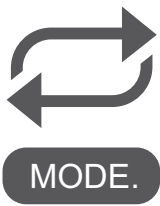
For use in pregnancy



For use in children



- ✓ Flexible measurement schedule (up to 6 cycle measurements).
- ✓ Possibility to perform auscultatory blood pressure measurement.
- ✓ Non-invasive central blood pressure measurement (optional).
- ✓ Atrial Fibrillation (AF) detection (optional).
- ✓ Free WatchBP Analyzer (2G) software can be downloaded from the website:
<https://www.microlife.com/support/software-professional-products>



Flexible BPM schedule

Clinical Blood pressure measurement can be done in many ways. Unfortunately, there is no consensus between different hypertension authorities in how blood pressure should be measured in clinical practice. Recommendations differ with respect to the number of measurements needed from 2 -6 measurements but also for the required interval time between measurements varying from 30 seconds to 5 minutes. Currently, several medical societies also plea for the performances of unattended blood pressure measurement. This means that the healthcare professional must activate the blood pressure monitor before leaving the room so that sequential measurements are taken after a certain countdown period.

To help physicians all over the world adhering to these different measurement recommendations Microlife has developed a professional blood pressure monitor with a flexible measurement schedule. With this unique option the professional is free to select the preferred number of measurements, the interval time between measurement, the count-down period and even the way the average blood pressure value is calculated.



Non-invasive central blood pressure measurement (optional)

Central blood pressure is the pressure in the aorta, the largest artery that originates from the heart. Central blood pressure measurement may better correlate with cardiovascular risk than upper arm blood pressure measurement because the aorta is closer to the heart and brain, the most vital organs of the body.



Upgradeable (optional)

Allows on-demand paid upgrades of “AFIB version”(AFIB included) or “CBP version” (AFIB and Central BP included).

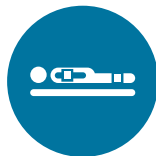
Features overview

WatchBP Office	AFIB	Central BP	Flexible BPM schedule	Auscultatory mode	Rechargeable battery	USB connectivity	Bluetooth® connectivity	WatchBP Analyzer	Special patient validations			
									End-stage renal disease	Diabetes patients	Pregnancy & pre-eclampsia	Children age 3+
Advanced			●	●	●	●	●	●	●	●	●	●
AFIB	●		●	●	●	●	●	●	●	●	●	●
CBP	●	●	●	●	●	●	●	●	●	●	●	●



WatchBP Office ABI

Cardiovascular screening device



ABI assessment



AFIB



3 consecutive measurements



Double arm measurement



SPRINT Algorithm



PC link



For use in end stage renal disease



For use in diabetes patients



For use in pregnancy



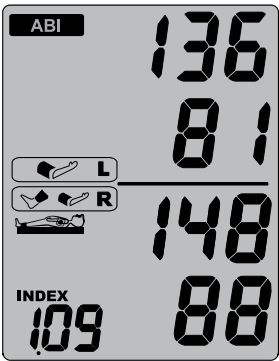
For use in children

- ✓ Fast, easy and accurate Ankle Brachial Index (ABI) assessment.
- ✓ Atrial Fibrillation (AF) detection.
- ✓ Dual-cuff design for simultaneous measurement on both arms to assess the Inter-Arm-Difference (IAD).
- ✓ Free WatchBP Analyzer (2G) software can be downloaded from the website:
<https://www.microlife.com/support/software-professional-products>

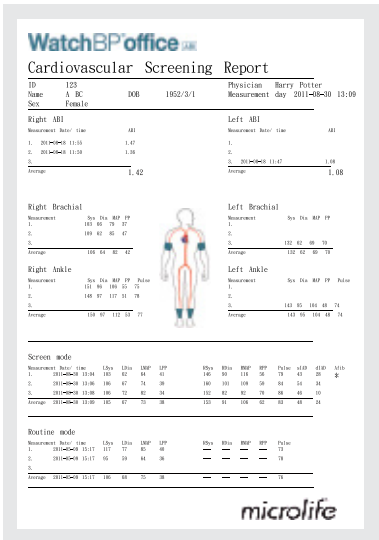
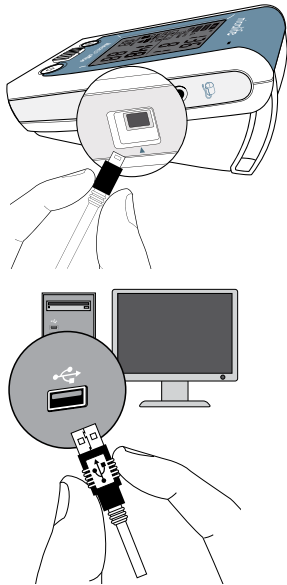
Ankle Brachial Index Assessment:
Screening for Peripheral Arterial Disease

Presentation of the measurement results

On the blood pressure monitor



On the PC



Operation mode

Mode	Measurements	Interval time	ABI assessment	AFIB	Double arm measurement	PC link
ABI	1		●			●
Routine	3	15" Default 30"/45"/60"/300" Selectable		●		●
Screen	3	15" Default 30"/45"/60"/300" Selectable		●	●	●



WatchBP Office AFIB

Professional office blood pressure monitor



AFIB



3 consecutive
Measurements



Double Arm
Measurement



Auscultatory
Mode



SPRINT
Algorithm



PC Link



For use in end stage
renal disease



For use in
Diabetes patients



For use in
Pregnancy



For use in
Children

- ✓ Atrial Fibrillation (AF) detection.
- ✓ Dual-cuff design for simultaneous measurement on both arms to assess the Inter-Arm Difference (IAD).
- ✓ Auscultatory mode, for use in the elderly, the obese, and those with arrhythmia.
- ✓ Free WatchBP Analyzer (2G) software can be downloaded from the website:
<https://www.microlife.com/support/software-professional-products>



Atrial Fibrillation detection

WatchBP AFIB detects Atrial Fibrillation with high accuracy (sensitivity 98% - specificity 92%) as demonstrated in multiple comparative studies with ECG.



The most reliable Tool for determining Inter-arm blood pressure differences

Inter-arm difference (IAD) in blood pressure is an important cardiovascular risk predictor. Therefore, blood pressure must be measured in both arms at the first clinical visit.

IAD Threshold	
Systolic ≥ 20mmHg	Diastolic ≥ 10mmHg



For use in diabetes patients

Microlife blood pressure monitors are validated for blood pressure measurement in patients with diabetes.



For use in children

WatchBP devices are validated for blood pressure measurement in children from the age of 3 years old.



Operation mode

Mode	Measurements	Interval time	AFIB	Double arm measurement	PC link
Routine	3	15" Default 30"/45"/60"/300" Selectable	●		●
Auscult.	1				
Screen	3	15" Default 30"/45"/60"/300" Selectable	●	●	●

microlife®

WatchBP O3

24-hour
blood pressure
measurement



WatchBP O3



Microlife AFIB technology

Screens for Atrial Fibrillation during blood pressure measurement.



Pill button

Pill/event button for recording medication intake and/or events.



Upgradeable device version

Customize your ABPM according to your needs with additional, helpful technology features.



Night-time measurement

For measuring blood pressure during sleep.



PC link

Transmit all measurement data to PC via USB connection.



Bluetooth® connectivity

Results are transferred to smartphone, PC, Hub by Bluetooth.

Available models



WatchBP O3 2G

Professional 24-hour ambulatory blood pressure monitor with upgradeable functions for Atrial Fibrillation detection and central blood pressure measurement.



WatchBP O3 AFIB

24-hour ambulatory blood pressure monitor with atrial fibrillation detection.

WatchBP O3 Ambulatory

24-hour ambulatory blood pressure monitor.

WatchBP Device	24-hour ambulatory BP monitoring	AFIB detection	Central BP measurement	Night-time measurement	Pill button	PC link	Bluetooth® connectivity	Special patient validations			
								End-stage renal disease	Diabetes patients	Pregnancy & pre- eclampsia	Children age 3+
O3 2G	●	⊙	⊙	●	●	●	●	●	●	●	●
O3 AFIB	●	●		●	●	●		●	●	●	●
O3 Ambulatory	●			●	●	●		●	●	●	●

⊙ Optional;

WatchBP O3 2G

Professional 24-hour blood pressure monitor



AFIB



24-hour ABPM



Central blood pressure measurement



Pill button



Upgradeable device version



PC link



For use in end stage renal disease



For use in diabetes patients



For use in pregnancy



For use in children



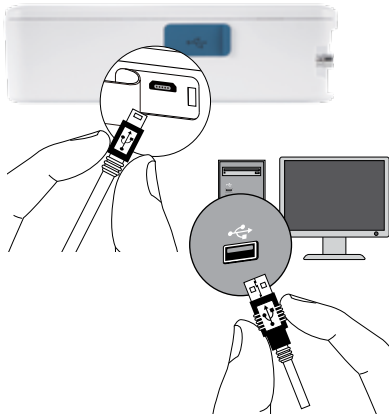
- ✓ Pill button for recording medication intake and/or events.
- ✓ Reliable AFIB screening (optional).
- ✓ Non-invasive central blood pressure measurement (optional).
- ✓ USB and Bluetooth® connectivity.
- ✓ Free WatchBP Analyzer (2G) software can be downloaded from the website:
<https://www.microlife.com/support/software-professional-products>



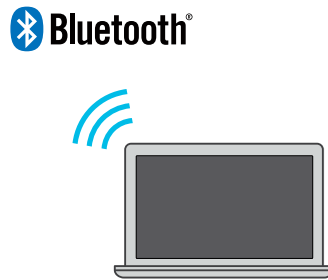
Upgradeable (optional)

Allows on-demand paid upgrades of “AFIB version” (AFIB function included) or “CBP version” (AFIB and Central BP functions included).

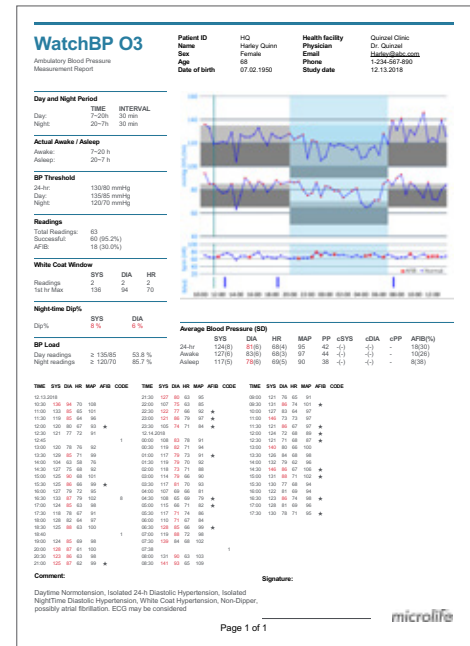
USB interface



Bluetooth® connectivity



Easy to read one page PDF report



Pill button

For recording medication intake and/or events.



WatchBP Analyzer (2G)



Features overview

WatchBP O3	AFIB	Central BP	24-hour ABPM	Pill button	Measurement reminder	USB connectivity	Bluetooth® connectivity	WatchBP Analyzer	End-stage renal disease	Diabetes patients	Pregnancy & pre-eclampsia	Children age 3+
Advanced			●	●	●	●	●	●	●	●	●	●
AFIB	●		●	●	●	●	●	●	●	●	●	●
CBP	●	●	●	●	●	●	●	●	●	●	●	●

WatchBP O3 Ambulatory/AFIB

Professional 24-hour blood pressure monitor



AFIB



24-hour ABPM



Pill button



PC link

- ✓ Fully-programmable.
- ✓ Lightweight and compact.
- ✓ Pill button for recording medication intake and/or events.
- ✓ PC connectivity via USB.
- ✓ Reports provided in PDF, common data exchange format (.csv file), and also compatible with LibreOffice/OpenOffice software.
- ✓ Atrial Fibrillation detection (optional).
- ✓ Free WatchBP Analyzer (2G) software can be downloaded from the website:
<https://www.microlife.com/support/software-professional-products>



Night-time measurement

Accurate day and night blood pressure measurements.

- measuring blood pressure during sleep.
- Collects accurate day and night blood pressure measurements for a complete overview of the daily blood pressure pattern.

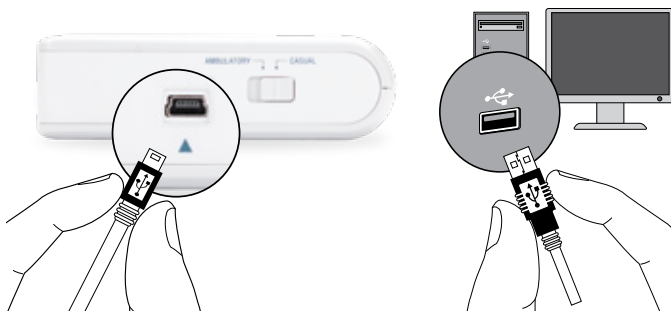
WatchBP O3 validated ambulatory blood pressure monitor



Ambulatory ← → Casual



USB interface

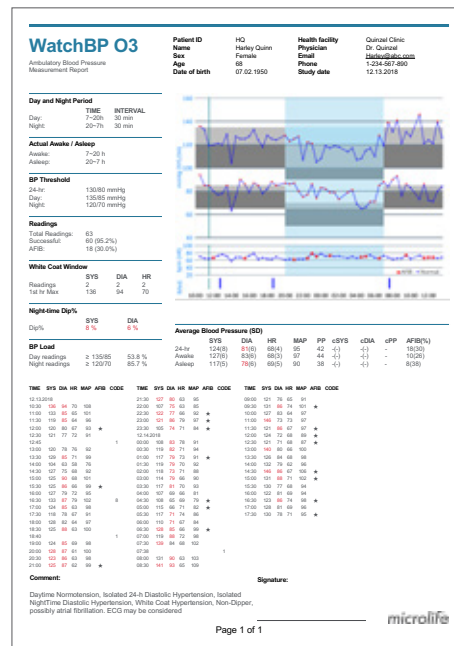


Pill button

For recording medication intake and/or events.



Easy to read one page PDF report



WatchBP Home

For the best self-measurement of blood pressure at home



WatchBP Home



Microlife AFIB technology

Screens for Atrial Fibrillation during blood pressure measurement.



3 consecutive measurements

For accurate blood pressure measurement and better Atrial Fibrillation (AF) detection.



ESH/AHA/BIHS guidelines embedded

Helps patients to perform 7-day self-measurement according to ESH/AHA/BIHS guidelines.



PC link

Transmit all measurement data to PC via USB connection.



Bluetooth® connectivity

Results are transferred to smartphone, PC, Hub by Bluetooth.

Available models



WatchBP Home A BT

Helps to collect accurate day blood pressure measurements for a good overview of the daily blood pressure pattern.



WatchBP Home A

Monitoring hypertension and Atrial Fibrillation.



WatchBP Home

Monitoring hypertension and suitable for use in pregnancy and pre-eclampsia.



WatchBP Home S

Simultaneously screening for hypertension and Atrial Fibrillation at home. Animated reminder to warn for risk factors.

WatchBP Device	Single measurement	3 Consecutive measurements	AFIB detection	ESH/AHA/BIHS Guidelines embedded	PC link	Bluetooth® connectivity	Special patient validations		
							End-stage renal disease	Diabetes patients	Pregnancy & pre-eclampsia
Home A BT (Bluetooth®)		●	●	●	●	●	●	●	
Home A		●	●	●	●		●	●	
Home	●			●	●		●	●	●
Home S		●	●				●	●	

WatchBP Home A BT



AFIR



3 consecutive measurements



ESH/AHA/BIHS
guidelines
embedded



PC link



For use in end stage renal disease



For use in
diabetes patients

**DIAG.**

Diagnostic mode (with AFIB)

7-day self-measurement program that strictly follows ESH/AHA/BIHS guidelines.



USUAL

Usual mode (with AFIB)

3 consecutive measurements for screening for Atrial Fibrillation (250 memory).

How does a connected health solution work?



Blood pressure measurements and AF screening are performed.



Results are transferred to smartphone, PC or Hub.



The healthcare professional receives the data.

By Microlife

By healthcare provider

WatchBP Analyzer Home A BT

Watch Box Home A

Accessibility Group Formers

Municipality/Region

Internet ID

Name

Age of adults

10.00.1983

Health Facility

Organization

Place

Birth date

Milestone Register

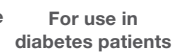
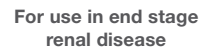
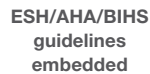
Institution

07.02.2021

	2019	2018	2017	
Actual	127.2	162.2	161.2	
Working budget	127.2	162.2	161.2	
Running budget	127.1	161.1	161.1	
Def1				
Def1	100	2019	2018	2017
Def1	100	100	100	100
Def1	100	100	100	100
Def1	100	100	100	100
Def1	100	100	100	100
Def1	100	100	100	100
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Def1	100	100	100	100
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Def1	100	100	100	100
Def1	100	100	100	10



3 consecutive measurements



7-day self-measurement program that strictly follows ESH/AHA/BIHS guidelines.



3 consecutive measurements for screening for Atrial Fibrillation (250 memory).

WatchBP Home A						
Instrument Report						
		Patient ID: 000		Visit: 000		Study ID: 000
		Age: 55		Sex: Male		Study Date: 07/29/2011
		Date of birth: 12/29/1955		Study Site: 000		Study Time: 07/29/2011
Study	Site	Site	Site	Site	Site	Site
00001	000	000	000	000	000	000
00002	000	000	000	000	000	000
00003	000	000	000	000	000	000
00004	000	000	000	000	000	000
00005	000	000	000	000	000	000
00006	000	000	000	000	000	000
00007	000	000	000	000	000	000
00008	000	000	000	000	000	000
00009	000	000	000	000	000	000
00010	000	000	000	000	000	000
00011	000	000	000	000	000	000
00012	000	000	000	000	000	000
00013	000	000	000	000	000	000
00014	000	000	000	000	000	000
00015	000	000	000	000	000	000
00016	000	000	000	000	000	000
00017	000	000	000	000	000	000
00018	000	000	000	000	000	000
00019	000	000	000	000	000	000
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00022	000	000	000	000	000	000
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00024	000	000	000	000	000	000
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00042	000	000	000	000	000	000
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00052	000	000	000	000	000	000
00053	000	000	000	000	000	000
00054	000	000	000	000	000	000
00055	000	000	000			

microlife®

WatchBP Home



ESH/AHA/BIHS
guidelines
embedded



PC link



For use in end stage
renal disease



For use in
diabetes patients



For use in
pregnancy



DIAG.

Diagnostic mode

7-day self-measurement program that strictly follows ESH/AHA/BIHS guidelines.

Microlife WatchBP Home, also accurate for use in pregnancy and pre-eclampsia

7 working days at home

	1	2	3	4	5	6	7
Morning 04:00 ~ 12:00		✓	✓	✓	✓	✓	✓
Night 18:00 ~ 24:00		✓	✓	✓	✓	✓	✓

One measurement cycle includes two measurements.



USUAL

Usual mode

For single measurement at any time (250 memory).



WatchBP Home S



AFIB



3 consecutive measurements



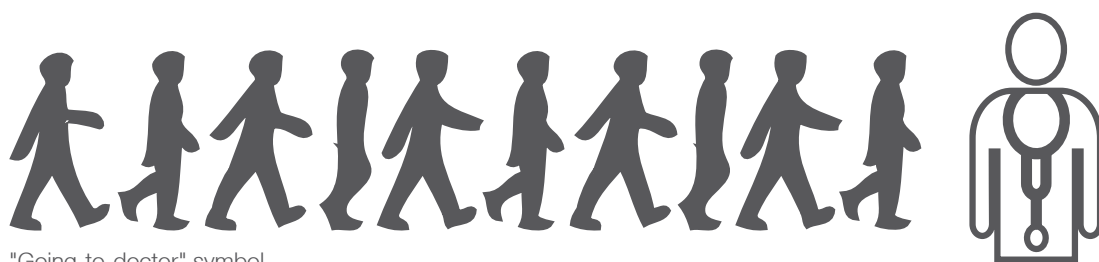
For use in end stage renal disease



For use in diabetes patients

Home blood pressure monitor with Atrial Fibrillation detection function

- ✓ Measuring blood pressure and screening for Atrial Fibrillation at the same time.
- ✓ Easy and reliable automated blood pressure measurement device.
- ✓ With "Going-to-doctor" alert to inform a doctor's visit is required because of atrial fibrillation or persistent high blood pressure values.



"Going-to-doctor" symbol

WatchBP Cuffs

The cuff is as important as the blood pressure monitor itself. Using the right size cuff helps to prevent erroneous blood pressure measurements.

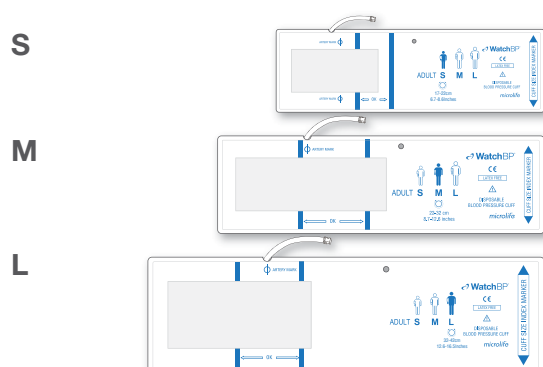


WatchBP Cuffs

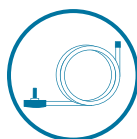
- ✓ Latex-free to avoid allergy.
- ✓ Washable cuffs available in both nylon and cotton.
- ✓ Disposable cuffs available (for single patient use).
- ✓ L-XL cuff validated for use with large arms.

WatchBP Disposable cuffs

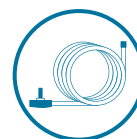
Upper arm – Single patient use (For WatchBP Office series)



Type of tubes with cuff connectors



50 cm / 19.7 in
tube with cuff
connector



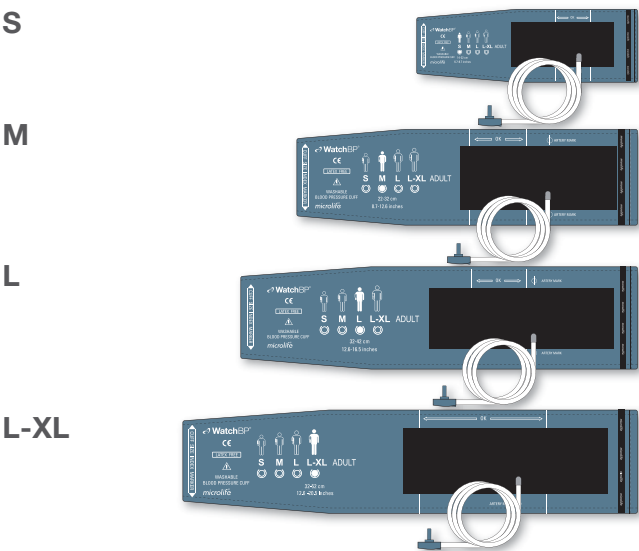
170 cm / 66.9
in tube with cuff
connector

Cuff size

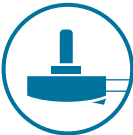
Size	S	M	L
Measures (cm)	17-22	22-32	32-42
Measures (inch)	6.7-8.7	8.7-12.6	12.6-16.5

WatchBP Office Cuffs

Upper arm – Soft



Cuff connector



For all WatchBP Office devices

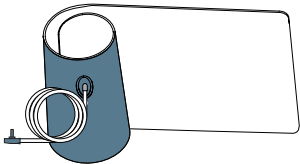
Cuff size

Size	S	M	L	L-XL
Measures (cm)	14-22	22-32	32-42	32-52
Measures (inch)	5.5-8.7	8.7-12.6	12.6-16.5	12.6- 20.5

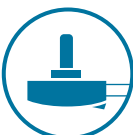
Upper arm – Rigid

M-L

With air tube 130 cm for Office AFIB, Office ABI



Cuff connector

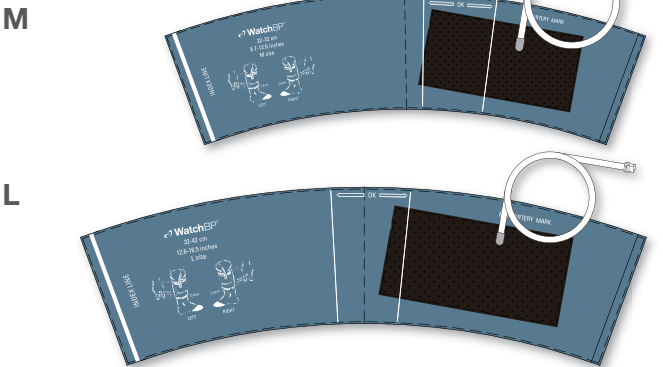


For Office AFIB, Office ABI

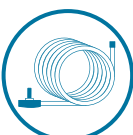
Cuff size

Size	M-L
Measures (cm)	22-42
Measures (inch)	8.7-16.5

Ankle – Soft



Tube with ankle cuff connector



170 cm / 66.9 in tube with cuff connector

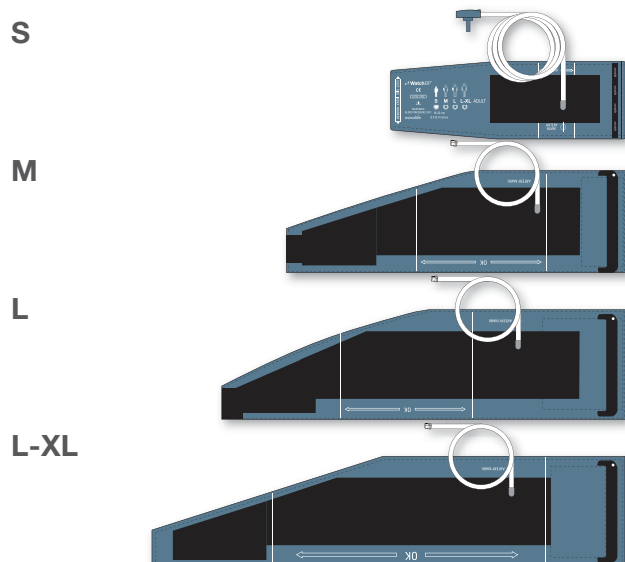


Cuff size

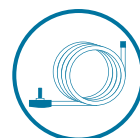
Size	M	L
Measures (cm)	22-32	32-42
Measures (inch)	8.7-12.6	12.6-16.5

WatchBP O3 Ambulatory Cuffs

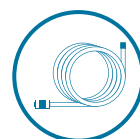
Upper arm – Soft



Tube with cuff connector



For O3 Ambulatory
100 cm / 39.4 in tube
with plastic connector



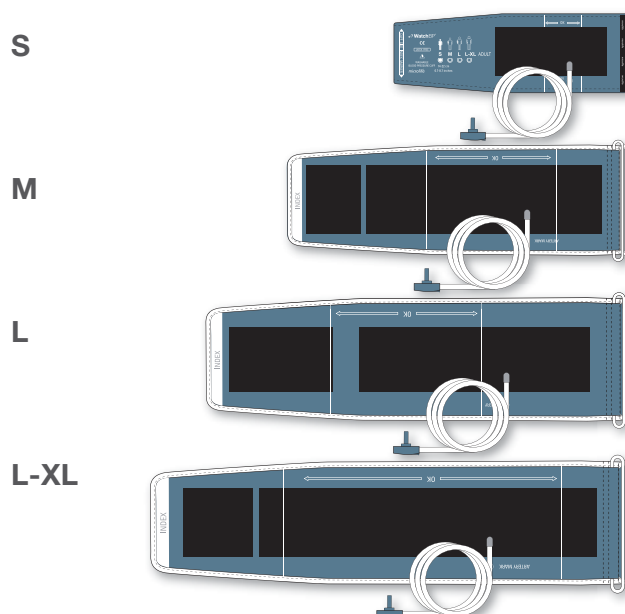
For O3 2G
100 cm / 39.4 in tube
with mental connector

Cuff size

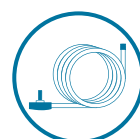
Size	S	M	L	L-XL
Measures (cm)	14-22	22-32	32-42	32-52
Measures (inch)	5.5-8.7	8.7-12.6	12.6-16.5	12.6- 20.5

WatchBP Home Cuffs

Upper arm – Soft



Tube with cuff connector



70 cm / 27.6 in tube
with cuff connector

Cuff size

Size	S	M	L	L-XL
Measures (cm)	17-22	22-32	32-42	32-52
Measures (inch)	6.7-8.7	8.7-12.6	12.6-16.5	12.6- 20.5



WatchBP Analyzer Software (2G)

Compatible models:

WatchBP Office Vascular
WatchBP Office 2G
WatchBP Office ABI
WatchBP Office AFIB

WatchBP O3 2G
WatchBP O3 AFIB
WatchBP O3 Ambulatory

WatchBP Home A BT
WatchBP Home A
WatchBP Home

WatchBP Office

Hypertension management

Patient ID

Name

Sex

Age

Date of birth

PWVTest

PWV

Male

32

08.27.1991

Health facility

Physician

Email

Phone

Study date

Microlife hospital

doctor1

abc@a.b.c

123456789

08.27.2021

Right Arm Average(1)

SYS DIA MAP PP HR

128 80 99 48 78

Latest measurement

DATE TIME SYS DIA MAP PP HR

08.27.2021 14:04 128 80 99 48 78

Right Leg Average(1), ABI 1.17, PWV 1499.00 (cm/s)

SYS DIA MAP PP HR

150 82 102 68 78

Latest measurement

DATE TIME SYS DIA MAP PP HR

08.27.2021 14:04 150 82 102 68 78

Left Arm Average(2)

SYS DIA MAP PP HR

126 80 95 47 80

Latest measurement

DATE TIME SYS DIA MAP PP HR

08.27.2021 14:30 123 79 89 44 79

Left Leg Average(2), ABI 1.19 PWV 1477.00 (cm/s)

SYS DIA MAP PP HR

150 78 101 72 80

Latest measurement

DATE TIME SYS DIA MAP PP HR

08.27.2021 14:30 149 76 100 73 79

List of individual readings

Right Arm

DATE	Index Of Cycle	TIME	SYS	DIA	MAP	PP	HR	sIAD	Posture	AFIB
08.27.2021	1	14:04	128	80	99	48	78	-	Supine	-
	-		128	80	99	48	78	-	---	-

Left Arm

DATE	Index Of Cycle	TIME	SYS	DIA	MAP	PP	HR	sIAD	Posture	AFIB
08.27.2021	1	14:29	129	80	100	49	81	-	Supine	-
08.27.2021	2	14:30	123	79	89	44	79	-	Supine	-
	-		126	80	95	47	80	-	---	-

Right Leg

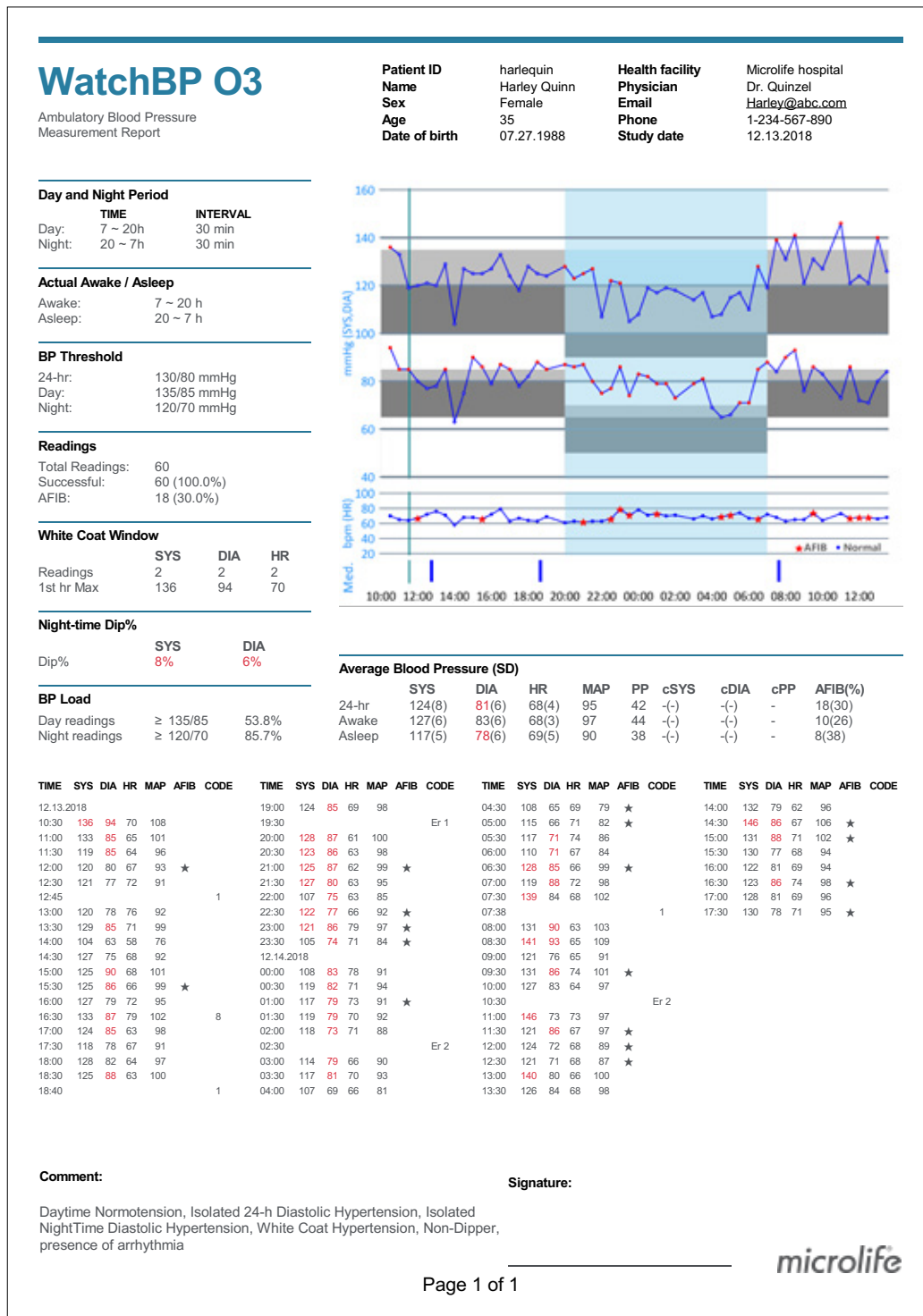
DATE	Index Of Cycle	TIME	SYS	DIA	MAP	PP	HR	sIAD	Posture	ABI
08.27.2021	1	14:04	150	82	102	68	78	-	Supine	1.17
	-		150	82	102	68	78	-	---	-

Left Leg

DATE	Index Of Cycle	TIME	SYS	DIA	MAP	PP	HR	sIAD	Posture	ABI
08.27.2021	1	14:29	150	79	101	71	81	-	Supine	1.16
08.27.2021	2	14:30	149	76	100	73	79	-	Supine	1.21
	-		150	78	101	72	80	-	---	-

Page 1 of 1

Free of charge WatchBP Analyzer software to create easy to read one page PDF reports



Reference

Microlife validation studies

1. Halfon M, et al. Use of oscillometric devices in atrial fibrillation: a comparison of three devices and invasive blood pressure measurement. *Blood pressure*. 2017;1-8.
2. Bing S, et al. Validation of the Microlife BP A200 Comfort and W2 Slim automated blood pressure monitors in a general adult population according to the European Society of Hypertension and the ANSI/AAMI/ISO 81060-2: 2013 protocols. *Blood Press Monit*. 2016;21:118-123.
3. Nathan HL, et al. An accurate semiautomated oscillometric blood pressure device for use in pregnancy (including pre-eclampsia) in a low-income and middle-income country population: the Microlife 3AS1-2. *Blood Press Monit*. 2015;20:52-55.
4. Nathan HL, et al. Accuracy validation of the Microlife 3AS1-2 blood pressure device in a pregnant population with low blood pressure. *Blood Press Monit*. 2015;20:299-302.
5. Gandolfo C, et al. Validation of a simple method for atrial fibrillation screening in patients with stroke. *Neurological sciences : official journal of the Italian Neurological Society and of the Italian Society of Clinical Neurophysiology*. 2015;36:1675-1678.
6. Cheng HM, et al. Measurement accuracy of a stand-alone oscillometric central blood pressure monitor: a validation report for Microlife WatchBP Office Central. *Am J Hypertens*. 2013;26:42-50.
7. Stergiou GS, et al. Accuracy of automated oscillometric blood pressure measurement in patients with atrial fibrillation: 1a.04. *Journal of Hypertension*. 2011;29:e2.
8. Saladini F, et al. Accuracy of Microlife WatchBP Office ABI monitor assessed according to the 2002 European Society of Hypertension protocol and the British Hypertension Society protocol. *Blood Press Monit*. 2011;16:258-261.
9. Masiero S, et al. Accuracy of the Microlife large-extra large-sized cuff (32-52 cm) coupled to an automatic oscillometric device. *Blood Press Monit*. 2011;16:99-102.
10. Kollias A, et al. Automated determination of the ankle-brachial index using an oscillometric blood pressure monitor: validation vs. Doppler measurement and cardiovascular risk factor profile. *Hypertens Res*. 2011;34:825-830.
11. Stergiou GS, et al. Are there really differences between home and daytime ambulatory blood pressure? Comparison using a novel dual-mode ambulatory and home monitor. *J Hum Hypertens*. 2010;24:207-212.
12. Ragazzo F, et al. Validation of the Microlife WatchBP O3 device for clinic, home, and ambulatory blood pressure measurement, according to the International Protocol. *Blood Press Monit*. 2010;15:59-62.
13. Bonso E, et al. Accuracy of a single rigid conical cuff with standard-size bladder coupled to an automatic oscillometric device over a wide range of arm circumferences. *Hypertens Res*. 2010;33:1186-1191.
14. Palatini P, et al. Validation of Microlife BP W100 wrist device assessed according to the European Society of Hypertension and the British Hypertension Society protocols. *Blood Press Monit*. 2009;14:41-44.
15. Chung Y, et al. Validation and compliance of a home monitoring device in pregnancy: microlife WatchBP home. *Hypertens Pregnancy*. 2009;28:348-359.
16. Stergiou GS, et al. Validation of the Microlife Watch BP Office professional device for office blood pressure measurement according to the International protocol. *Blood Press Monit*. 2008;13:299-303.
17. Palatini P, et al. Validation of the Microlife BP W200-1 wrist device for blood pressure measurement. *Blood Press Monit*. 2008;13:295-298.
18. Thompson AM, et al. Validation of an oscillometric home blood pressure monitor in an end-stage renal disease population and the effect of arterial stiffness on its accuracy. *Blood Press Monit*. 2007;12:227-232.
19. Stergiou GS, et al. Validation of the Microlife WatchBP Home device for self home blood pressure measurement according to the International Protocol. *Blood Press Monit*. 2007;12:185-188.
20. Belghazi J, et al. Validation of four automatic devices for self-measurement of blood pressure according to the International Protocol of the European Society of Hypertension. *Vasc Health Risk Manag*. 2007;3:389-400.
21. Stergiou GS, et al. Validation of the Microlife BPA100 Plus device for self-home blood pressure measurement according to the International Protocol. *Blood Press Monit*. 2006;11:157-160.
22. de Greeff A, et al. The Microlife 3AC1: An accurate blood pressure measurement device in pregnancy and pre-eclampsia. *J Hypertens*. 2006;24.
23. Topouchian JA, et al. Validation of two devices for self-measurement of brachial blood pressure according to the International Protocol of the European Society of Hypertension: the SEINEX SE-9400 and the Microlife BP 3AC1-1. *Blood Press Monit*. 2005;10:325-331.
24. Reinders A, et al. An accurate automated blood pressure device for use in pregnancy and pre-eclampsia: the Microlife 3BTO-A. *BJOG*. 2005;112:915-920.
25. El Assaad MA, et al. Validation of the Microlife BP 3AC1-1 (R) device for blood pressure measurement according to the International validation Protocol. *American Journal of Hypertension*. 2003;16:47A-47A.
26. Cuckson AC, et al. Validation of the Microlife BP 3BTO-A oscillometric blood pressure monitoring device according to a modified British Hypertension Society protocol. *Blood Press Monit*. 2002;7:319-324.

27. Kollias A., et al. Automated pulse wave velocity assessment using a professional oscillometric office blood pressure monitor. *J Clin Hypertens.* 2020;00:1–7.
28. Palatini P, Fania C, Gasparotti F. Accuracy of the WatchBP Office ABI device for office blood pressure measurement over a wide range of arm sizes. *Blood Press Monit.* 2018 Apr;23(2):117-119.

Microlife AFIB accuracy and screening studies

1. Wiesel J, et al. Screening for Atrial Fibrillation in Patients ≥ 65 Years Using an Automatic Blood Pressure Monitor in a Skilled Nursing Facility. *Am J Cardiol.* 2017;120:1322-1324.
2. Halfon M, et al. Use of oscillometric devices in atrial fibrillation: a comparison of three devices and invasive blood pressure measurement. *Blood pressure.* 2017:1-8.
3. Chan PH, et al. Diagnostic performance of an automatic blood pressure measurement device, Microlife WatchBP Home A, for atrial fibrillation screening in a real-world primary care setting. *BMJ open.* 2017;7:e013685.
4. Chan PH, et al. Head-to-Head Comparison of the AliveCor Heart Monitor and Microlife WatchBP Office AFIB for Atrial Fibrillation Screening in a Primary Care Setting. *Circulation.* 2017;135:110-112.
5. Verberk WJ, et al. Screening for atrial fibrillation with automated blood pressure measurement: Research evidence and practice recommendations. *Int J Cardiol.* 2016;203:465-473.
6. Twigg MJ, et al. Identification of patients with atrial fibrillation in UK community pharmacy: an evaluation of a new service. *Int J Clin Pharm.* 2016;38:784-787.
7. Omboni S, et al. Opportunistic screening of atrial fibrillation by automatic blood pressure measurement in the community. *BMJ open.* 2016;6:e010745.
8. Gandolfo C, et al. Validation of a simple method for atrial fibrillation screening in patients with stroke. *Neurological sciences : official journal of the Italian Neurological Society and of the Italian Society of Clinical Neurophysiology.* 2015;36:1675-1678.
9. Willits I, et al. WatchBP Home A for opportunistically detecting atrial fibrillation during diagnosis and monitoring of hypertension: a NICE Medical Technology Guidance. *Applied health economics and health policy.* 2014;12:255-265.
10. Wiesel J, et al. Comparison of the Microlife blood pressure monitor with the Omron blood pressure monitor for detecting atrial fibrillation. *Am J Cardiol.* 2014;114:1046-1048.
11. Kearley K, et al. Triage tests for identifying atrial fibrillation in primary care: a diagnostic accuracy study comparing single-lead ECG and modified BP monitors. *BMJ open.* 2014;4:e004565.
12. Wiesel J, et al. Screening for asymptomatic atrial fibrillation while monitoring the blood pressure at home: trial of regular versus irregular pulse for prevention of stroke (TRIPPS 2.0). *Am J Cardiol.* 2013;111:1598-1601.
13. NICE. WatchBP Home A for opportunistically detecting atrial fibrillation during diagnosis and monitoring of hypertension <http://guidance.nice.org.uk/MTG13>. 2013;Assessed 18 Aug. 2015.
14. Ermini G, et al. Switching from traditional to automatic sphygmomanometer increases opportunistic detection of atrial fibrillation in hypertensive patients. *BJMP.* 2013;6:a6161.
15. Verberk WJ, et al. Accuracy of oscillometric blood pressure monitors for the detection of atrial fibrillation: a systematic review. *Expert Rev Med Devices.* 2012;9:635-640.
16. Stergiou GS, et al. accuracy of automated oscillometric blood pressure measurement in patients with atrial fibrillation: 1A.04. *Journal of Hypertension.* 2011;29:e2.
17. Wiesel J, et al. Detection of atrial fibrillation using a modified microlife blood pressure monitor. *Am J Hypertens.* 2009;22:848-852.
18. Stergiou GS, et al. Diagnostic accuracy of a home blood pressure monitor to detect atrial fibrillation. *J Hum Hypertens.* 2009;23:654-658.
19. Wiesel J, et al. Home monitoring with a modified automatic sphygmomanometer to detect recurrent atrial fibrillation. *J Stroke Cerebrovasc Dis.* 2007;16:8-13.
20. Wiesel J, et al. The use of a modified sphygmomanometer to detect atrial fibrillation in outpatients. *Pacing Clin Electrophysiol.* 2004;27:639-643.

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