

microlife®

A partner for people. For life.

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



WatchBP Office Vascular

Professional Office Blood Pressure and
Cardiovascular Screening Monitor



Double arm
measurement



AFIB

For use in
end
stage
renal disease



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
pregnancy



3+
AGES

For use in
children



For use in
diabetes
patients

Officially recommended as
a useful option for

NHS clinicians
by NICE



Clinically Tested
ISO 81060-2: pass

Clinically Tested
BIHS protocol: A/A



Inter-Arm-Difference (IAD)

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



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.¹⁻¹⁰



ABI assessment (optional)

Fast, easy, and accurate Ankle Brachial Index (ABI) assessment.¹¹



Brachial-ankle PWV assessment (optional)

User-friendly with high reproducibility cuff-based brachial-ankle PWV measurement method to evaluate arterial stiffness.¹²



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.¹³



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" (ABI included) or "PWV" (brachial-ankle pulse wave velocity (baPWV) and central blood pressure indices included).

Additional features

- ✓ 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).
- ✓ Connectable by USB and Bluetooth 4.2.
- ✓ Rechargeable battery, energy-efficient and environmentally friendly.
- ✓ WatchBP Analyzer software, presenting a clear report and relevant analysis. Download from the website free of charge: <https://www.microlife.com/support/software-professional-products>

Features overview

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

Innovative and reliable AFIB screening

	Patients	Subjects (n)	Age (Years)	AF (n)	Non-AF arrhythmia (n)	Sinus (n)	Sensitivity (%)	Specificity (%)
Wiesel 2004 ¹	Outpatients	450	31-99	54	1	395	100	92
Stergiou 2009 ²	Outpatients	73	49-92	27	23	23	100	89
Wiesel 2009 ³	Outpatients	405	34-98	93	64	248	97	89
Wiesel 2013 ⁴	Outpatients	139	26-89	14	n/s	125	99	92
Oxford 2014 ⁵	Primary care	999	75+	79	n/s	920	95	90
Wiesel 2014 ⁶	Outpatients	183	50-100	30	n/s	153	100	92
Gandolfo 2015 ⁷	Stroke patients	207	27-101	38	n/s	169	89	99
Chan 2017 ⁸	Primary care	2052	68	24	156	1872	83	99
Chan 2017 ⁹	Primary care	5969	67	72	430	5467	81	99

* n= number; n/s= not specified

WatchBP Office AFIB screens for Atrial Fibrillation with high accuracy at 98% Sensitivity and 92% Specificity while measuring blood pressure. Subjects were compared with 12-lead ECG performed and read by a consultant.

Reference

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For more information, please visit: www.watchbp.com

Microlife Corporation is a global corporation working closely with medical societies, specialists and primary care physicians to create tools and solutions that advance healthcare for the benefit of both physicians and patients.