

microlife®

A partner for people. For life.

24-hour ambulatory
blood pressure for
optimal hypertension
diagnosis

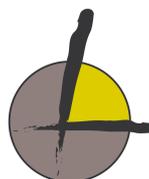


WatchBP O3

Professional 24-hour ambulatory
blood pressure monitor

-  AFIB
-  24-hour ABPM
-  Central Blood pressure measurement
-  Upgradeable device version
-  Pill button
-  PC Link
-  For use in End stage renal disease
-  For use in children
-  For use in diabetes patients

Officially recommended as
a useful option for
NHS clinicians
by NICE



Life Systems
MEDICAL PTY LTD

Clinically Tested
ISO 81060-2: pass

Clinically Tested
BIHS protocol: A/A





Reliable AFIB screening (optional)

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



Customisable measurement functions

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



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.

Additional features

- ✓ Pill/event button for recording medication intake and/or to record unusual events
- ✓ USB and Bluetooth 4.2 connectivity
- ✓ 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 diabetes, with end stage renal disease, pre-eclampsia and for those with large arm circumference
- ✓ 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

WatchBP O3 Automated version	AFIB	Central BP	24-hour ABPM	Medication button	Silent mode	USB connectivity	Bluetooth 4.2 connectivity	WatchBP Analyzer	Special patient validations			
									End-stage renal disease	Diabetes patients	Pregnancy & pre-eclampsia	Children
Standard			●	●	●	●	●	●	●	●	●	●
AFIB	●		●	●	●	●	●	●	●	●	●	●
AFIB & CBP	●	●	●	●	●	●	●	●	●	●	●	●

Innovative and reliable AFIB screening

	Patients	Number of subjects	Age (Years)	AF (n)	Non-AF arrhythmia	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

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

- Wiesel J, et al. The use of a modified sphygmomanometer to detect atrial fibrillation in outpatients. *Pacing Clin Electrophysiol.* 2004;27:639-43.
- Stergiou GS, et al. Diagnostic accuracy of a home blood pressure monitor to detect atrial fibrillation. *Journal of human hypertension.* 2009;23:654-8.
- Wiesel J, et al. Detection of atrial fibrillation using a modified microlife blood pressure monitor. *Am J Hypertens.* 2009;22:848-52.
- 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;111:1598-601.
- 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.
- 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;114:1046-8.
- Gandolfo C, et al. Validation of a simple method for atrial fibrillation screening in patients with stroke. *Neurol Sci.* 2015;36:1675-8.
- 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.
- 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;135:110-2.
- Verberk WJ, et al. Screening for atrial fibrillation with automated blood pressure measurement: Research evidence and practice recommendations. *International journal of cardiology.* 2016;203:465-73.

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