



### Microlife's - WatchBP

Atrial fibrillation (AFIB) detection

As recommended by



The National Institute for  
Health and Care Excellence

[www.nice.org.uk/MTG13](http://www.nice.org.uk/MTG13)

**GOOD NEWS  
FOR YOUR HEART**

# WatchBP 03

Professional 24-hour ambulatory  
blood pressure monitor



AFIB detection



Bluetooth  
connectivity



24-hour ABPM



Central  
blood pressure  
measurement



Upgradeable  
device version



Pill-button



PC link



**microlife®**  
A partner for people. For life.



### 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.



### Upgradeable

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:  
[www.microlife.com/support/software-professional-products](http://www.microlife.com/support/software-professional-products)

## Operation Mode

WatchBP 03 Automated version	AFIB	Central BP	24-hour ABPM	Medication button	Silent mode	USB connectivity	Bluetooth 4.2 connectivity	WatchBP Analyzer	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 <sup>1</sup>	Outpatients	450	31-99	54	1	395	100	92
Stergiou 2009 <sup>2</sup>	Outpatients	73	49-92	27	23	23	100	89
Wiesel 2009 <sup>3</sup>	Outpatients	405	34-98	93	64	248	97	89
Wiesel 2013 <sup>4</sup>	Outpatients	139	26-89	14	n.s	125	99	92
Oxford 2014 <sup>5</sup>	Primary care	999	75+	79	n.s	920	95	90
Wiesel 2014 <sup>6</sup>	Outpatients	183	50-100	30	n.s	153	100	92
Gandolfo 2015 <sup>7</sup>	Stroke patients	207	27-101	38	n.s	169	89	99
Chan 2017 <sup>8</sup>	Primary care	2052	68	24	156	1872	83	99
Chan 2017 <sup>9</sup>	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

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