

DECLARATION OF BLOOD PRESSURE MEASURING DEVICE EQUIVALENCE 2006

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		Gerhard Frick Director of Company Director Company name		G
nereby state	that th	here are no differences that will affect blood pressure		tween the
		Microlife WatchBP home A (BP3MX1-3) Blood pressure measuring device for which validation is claimed		
olood press	ure me	asuring device and the		
		Microlife WatchBP home (BP3MX1-1) Existing validated blood pressure measuring device		
olood press as follows	ure me	asuring device, which has previously passed the ES	H protocol, the results	of which were published
		George S. Stergiou, Periklis P. Giovas, Charilaos	P. Gkinos, John D. Pato	ouras
		Authors(s) Validation of the Microlife WatchBP Home devi-		
		measurement according to the International Proto	ocol	
		Blood Pressure Mon, ISSN 1359-5237 Publication	2007, Vol 12 No 3 Page Year Volume Pages	e 185-188
-		es between the devices involve the following compo elevant, both Yes and No should be left blank. Please provide details on any d		
Part I	1	Algorithm for Oscillometric Measurements	Yes □	No ⊠
	2	Algorithm for Auscultatory Measurements	Yes □	No 🗆
	3	Artefact/Error Detection	Yes □	No ⊠
	4	Microphone(s)	Yes □	No □
	5	Pressure Transducer	Yes □	No 🛛
	6	Cuff or Bladder	Yes 🗆	No ⊠
	7	Inflation Mechanism	Yes □	No 🖾
	8	Deflation Mechanism	Yes □	No ⊠
		Model Name or Number	Yes ⊠	No 🗆
Part II	9	Widdel Name of Number		
Part II	9	Casing	Yes □	No 🛛
Part II			Yes □ Yes ⊠	No ⊠ No □
Part II	10	Casing		
Part II	10 11	Casing Display	Yes ⊠	No 🗆
Part II	10 11 12	Casing Display Carrying/Mounting Facilities	Yes ⊠ Yes □ Yes ⊠	No □ No □
Part II	10 11 12 13	Casing Display Carrying/Mounting Facilities Software other than Algorithm	Yes ⊠ Yes □ Yes ⊠	No □ No □ No □
Part II	10 11 12 13 14	Casing Display Carrying/Mounting Facilities Software other than Algorithm Memory Capacity/Number of stored measurement	Yes ⊠ Yes □ Yes ⊠ nts Yes □	No □ No □ No □ No ⊠
Part II	10 11 12 13 14 15	Casing Display Carrying/Mounting Facilities Software other than Algorithm Memory Capacity/Number of stored measurement Printing Facilities	Yes ⊠ Yes □ Yes ⊠ Yes □ Yes □	No □ No □ No □ No ⊠ No □
Part II	10 11 12 13 14 15	Casing Display Carrying/Mounting Facilities Software other than Algorithm Memory Capacity/Number of stored measurement Printing Facilities Communication Facilities	Yes ⊠ Yes □ Yes ⊠ Yes □ Yes □ Yes □ Yes □	No □ No □ No □ No □ No ⊠ No □ No □

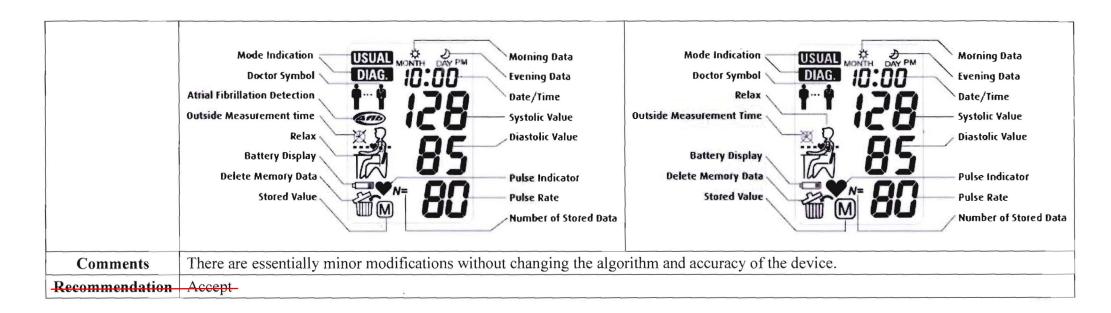
	ete all items, bar signatures and seal, or n devices to our address below.	nline and print. Sign and	seal it then send the original along with manuals	
Signature of Director	1.00	Compan	ny Stamp/Seal	
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Comparison of the Microlife WatchBP Home A (3MX1-3) and the WatchBP Home (3MX1-1)

Devices	Microlife WatchBP Home A (3MX1-3)	Microlife WatchBP Home (3MX1-1)
Pictures	Witchs home	Watchis home
Validation		ESH validated
Same Criteria	Memory: 250 in USUAL mode; 28 in DIAG. mode Error code (1, 2, 3 & 5) Cuffs: M (L as accessory) Optional mains adapter One-touch operation Fuzzy logic	Memory: 250 in USUAL mode; 28 in DIAG. mode Error code (1, 2, 3 & 5) Cuffs: M (L as accessory) Optional mains adapter One-touch operation Fuzzy logic
Minor modification without changing the measurement algorithm	Different model name Display also indicating Atrial Fibrillation Software also detecting and indicating Atrial Fibrillation	



As provided by the manufacturer

Comparison of the Microlife WatchBP Home A with the Microlife WatchBP Home

Devices	Microlife WatchBP Home A (BP3MX1-3)		Microlife WatchBP Home (BP3MX1-1)		
Pictures			The state of the s		
Validation			ESH		
Device 1 Criteria	Display/Symbols/Indicators Atrial fibrillation Algorithms Atrial fibrillation detection	11 13			
Same Criteria	Measurement Accuracy ± 3 mmHg Oscillometric measurement method BP 30 mmHg to 280 mmHg, Pulse 40-200 bpm Cuff: (Arm circ. 22 to 32 cm) Optional large (AC 32-42 cm) cuffs Automatic Inflation and Deflation Measurements are from single inflations (Usual mode) Two measurements recorded automatically (Diag. mode) Memory: 250 measurements (Usual mode) Memory: 28 measurements (7 × 2 × 2) (Diagnostic mode) Buttons/Switches On/Off Memory Mode Display/Symbols/Indicators Measurement error Date and Time During Measurement: Heartbeat Memory Delete memory Morning/Evening mean	1, 5 1, 5, 7, 8 6 6 7, 8 13 13, 14 11, 14 11, 14 10 10 10 11 11 11 11 11 11 11, 13	Measurement Accuracy ± 3 mmHg Oscillometric measurement method BP 30 mmHg to 280 mmHg, Pulse 40-200 bpm Cuff: (Arm circ. 22 to 32 cm) Optional large (AC 32-42 cm) cuffs Automatic Inflation and Deflation Measurements are from single inflations (Usual mode) Two measurements recorded automatically (Diag. mode) Memory: 250 measurements (Usual mode) Memory: 28 measurements (7 × 2 × 2) (Diagnostic mode) Buttons/Switches On/Off Memory Mode Display/Symbols/Indicators Measurement error Date and Time During Measurement: Heartbeat Memory Delete memory Morning/Evening mean	1, 5 1, 5, 7, 8 6 6 7, 8 13 13, 14 11, 14 11, 14 10 10 10 11 11 11 11 11 11 11, 13	

Devices (continued)	Microlife WatchBP Home A (BP3MX1-3)		Microlife WatchBP Home (BP3MX1-1)	
	Display/Symbols/Indicators (continued)		Display/Symbols/Indicators (continued)	
	Controlled measurement series complete (ESH Guidelines)	11, 13	Controlled measurement series complete (ESH Guidelines)	11, 13
	Controlled measurement times only (ESH Guidelines) (Diag)	11, 13	Controlled measurement times only (ESH Guidelines) (Diag)	11, 13
	Non-controlled measurements (Usual)	11	Non-controlled measurements (Usual)	11
	Outside controlled measurement times (measurement lock)	11, 13	Outside controlled measurement times (measurement lock)	11, 13
	Posture and arm position reminder	11	Posture and arm position reminder	11
	Algorithms		Algorithms	
	Morning/Evening mean	13	Morning/Evening mean	13
	All measurements mean	13	All measurements mean	13
	ESH Guidelines mean	13	ESH Guidelines mean	13
	Case		Case	
	Single screen display	10	Single screen display	10
	USB port, cable and PC software	16, 18	USB port, cable and PC software	16, 18
	Power: 4 "AA" batteries	17	Power: 4 "AA" batteries	17
	Power: Optional AC adapter	17	Power: Optional AC adapter	17
Comparable Criteria				
Device 2 Criteria				
Web link			http://www.watchbp.com/devices/home/ov	erview/
	http://www.microlife.com/products/hypertension/professional/watchbp-home/?L=en			

Comments	The devices appear to be identical except for the addition of an AF detection algorithm and indicator in the Home A device.
	In the supplementary sheets, the manufacturers refer to "fuzzy logic" in both devices. This is not mentioned in either manual and is therefore extra information. It is assumed to refer to the method of detecting the pressure to which the device should inflate.
Recommendation	Equivalence recommended
Date	14/12/2009