

Declaration of Equivalence Form

DECLARATION OF BLOOD PRESSURE MEASURING DEVICE EQUIVALENCE 2013

A SIGNED COPY WILL BE POSTED ON THE www.dableducational.org WEBSITE

SECTION A - Please complete all items.

Minoru Yoshimura,
Name of a Company Director

a Director of OMRON Healthcare Europe B.V.,
Company name

hereby state that there are no differences that will affect blood pressure measuring accuracy between the

Maker* OMRON Healthcare Co., Ltd. Address 53 Kunotsubo, Terado-cho, Muko, Kyoto 617-0002, Japan OMRON Healthcare Co., Ltd Address 53 Kunotsubo, Terado-cho, Muko, Kyoto 617-0002, Japan

Brand^c OMRON Model^d RS1 (HEM-6120-E)
Blood pressure measuring device for which validation is claimed. If alternative model names are used, include all.

blood pressure measuring device and the validated blood pressure measuring device

Maker* OMRON Healthcare Co., Ltd. Address 53 Kunotsubo, Terado-cho, Muko, Kyoto 617-0002, Japan OMRON Healthcare Co., Ltd. Address 53 Kunotsubo, Terado-cho, Muko, Kyoto 617-0002, Japan Broofs ON 100 March 1

Brand^e OMRON Model^d RS3 (HEM-6130-E)

Existing validated blood pressure measuring device.

which has previously passed the ESH-IP protocol, the results of which were published as follows:

Takahashi H, Yokoi T, Yoshika M. Validation of the OMRON RS3 (HEM-6130-E) wrist blood pressure monitor, in oscillometry mode, for clinic use and self measurement in a general population, according to the European Society of Hypertension International Protocol revision 2010 [Internet]. Dublin: dablEducational Trust; 2013 Feb 01 [cited 2013 Feb 14]. 4 p. Available from: http://www.dableducational.org/Publications/2013/ESH-IP 2010 Validation of Omron RS3 (HEM-6130-E).pdf

Full reference

The only differences between the devices involve the following components:

Tick one box for each item 1-18.

Part I	1	Algorithm for Oscillometric Measurements	Vos 🗔	N = 1578	AI /AE
raiti	_		Yes 🔲	No 🔀	N/A ^e 🔲
	2	Algorithm for Auscultatory Measurements	Yes 🔲	No 🔲	N/A ^f 🔀
	3	Artefact/Error Detection	Yes 🔲	No 🖂	
	4	Microphone(s)	Yes 🔲	No 🔲	N/A ^f ⊠
	5	Pressure Transducer	Yes 🔲	No 🖂	
	6	Cuffs or Bladders	Yes 🔲	No 🛚	
	7	Inflation Mechanism	Yes 🔲	No 🛛	
	8	Deflation Mechanism	Yes 🗀	No 🔀	
Part II	9	Model Name or Number	Yes 🔀	No 🗌	
	10	Casing	Yes 🔀	No 🔲	
	11	Display	Yes 🔀	No 🔲	
	12	Carrying/Mounting Facilities	Yes 🔲	No 🔀	
	13	Software other than Algorithm	Yes 🔀	No 🔲	
	14	Memory Capacity/Number of stored measurements	Yes 🛛	No 🔲	
	15	Printing Facilities	Yes 🔲	No 🔲	N/A [®] ⊠
	16	Communication Facilities	Yes 🔲	No 🔲	N/A [®] 🔀
	17	Power Supply	Yes 🔲	No 🛚	
	18	Other Facilities	Yes 🔲	No 🛚	N/A ^g 🔲

An explanation of each item ticked "Yes" must be included in Section B or on a separate sheet.

Fax + 353 1 278 3835

Notes: a Provide the name and address of the actual maker of the device.

- b Provide the name and address of the legal manufacturer of the device, even if it is the same as that of the maker.
- c Provide the name of the brand under which it is sold, even if it is the same as that of the manufacturer or maker.
- d Provide the model name. If alternative or internal model names are used, include all. Each device must be uniquely identifiable.
- e Only tick N/A (Not Applicable) if neither device measures blood pressure using the oscillometric method.
- f Only tick N/A (Not Applicable) if neither device measures blood pressure using the auscultatory method.
- g Only tick N/A (Not Applicable) if neither device provides printing, communication or other facilities, as appropriate.

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SECTION B

An explanation for each item, 1 to 18, ticked "Yes" in Section A must be provided here or in an attached document. All differences between the devices must be described.

- 9. Model name RS1 (HEM-6120-E)
- 10. No Memory button and Date/Time setting button.
- 11. No Average value symbol, Date/Time display, Blood pressure level indicator, Movement error symbol and Irregular heartbeat symbol.
- 13. No function of Average value, Date/Time, Movement error and Irregular heartbeat detection.

13. NO function	of Average value, Date/ fille, Movement e	iroi and irregular heartbeat detection.	
14. Last measu	rement only.		
SECTION C	Please check that the following are included with the	application	
	A manual for the validated device		
	A manual for the device for which equivale	nce is being sought	\boxtimes
	An image of the validated device	*	×
	An image of the device for which equivaler	ce is being sought	
	An image of the screen layout of validated	device*	
	An image of the screen layout of the device	e for which equivalence is being sought*	
	* Screen layouts shown complete, and without obscu	ring labels or lines, in manuals need not be included	separately.
SECTION D	Complete all items, bar signatures and seal, online an email a signed copy of this form, together with the m	d print. Sign and seal it then send the original to our anuals) and images for both devices, to info@dabledu	address below. Please cational.org.
Signature of Di	rector Mily	Company Stamp/Seal	
Name	Minory Yoshimura	(DNAS/AN MEAN THOADE EVE	000
Date	/4 Feb 2013	ÖMKON HEALTHCARE EUF Scorpius 33	OPE BV
Signature of W	itness Toughilo Kikila.	NL-2132 LR Hoofddor	
Name	Tomohiro Kukita	P.O.BOX 2050 NL-2130 GL H TEL +31-23 5544700	
Address	Scorpius 33, 2132 LR Hoofddorp, Th	ne Netherlands FAX +31-23 5544701	



Device Equivalence Evaluation Form

Comparison of the Omron RS1 (HEM-6120-E) with the Omron RS3 (HEM-6130-E)

Devices	Omron RS1 (HEM-6120-E)		Omron RS3 (HEM-6130-E)	
Pictures	OMRON SATS DIA ANIMA ANI		Omnon THE	
Display			38788 38788 388 38 38 38 38 38 38	
Validation			ESH 2010	
Device 1 Criteria				
Same Criteria	Measurement Accuracy		Measurement Accuracy	
	BP accuracy ± 3 mmHg	1, 5	BP accuracy ± 3 mmHg	1, 5
	Pulse accuracy ± 5% Method	1, 5	Pulse accuracy ± 5% Method	1, 5
	Oscillometric measurement method	1, 5	Oscillometric measurement method	1, 5
	Pulse 40 bpm to 180 bpm	1, 5, 8	Pulse 40 bpm to 180 bpm	1, 5, 8
	Manually initiated measurements	13	Manually initiated measurements	13
	Measurements are from single inflations Inflation	13	Measurements are from single inflations Inflation	13
	Inflation 0 mmHg to 299 mmHg	1, 5, 7	Inflation 0 mmHg to 299 mmHg	1, 5, 7
	Automatic Inflation	7	Automatic Inflation	7

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Device Equivalence Evaluation Form

Devices	Omron RS1 (HEM-6120-E)		Omron RS3 (HEM-6130-E)		
Same Criteria	Measurement		Measurement		
	Deflation		Deflation		
	Automatic Deflation	8	Automatic Deflation	8	
	Cuffs		Cuffs		
	Wrist circ. ~ 13.5 cm to ~ 21.5 cm	6	Wrist circ. ~ 13.5 cm to ~ 21.5 cm	6	
	Buttons/Switches		Buttons/Switches		
	Power		Power		
	On/Off with Start/Stop (Start/Stop Label)	10	On/Off with Start/Stop (Start/Stop Label)	10	
	Display/Symbols/Indicators		Display/Symbols/Indicators		
	Preparation	44 42 40	Preparation	44 42 40	
	Correct cuff wrapping indicator Measurement Procedure	11, 13, 18	Correct cuff wrapping indicator Measurement Procedure	11, 13, 18	
	Deflation symbol	11	Deflation symbol	11	
	·		•		
	During Measurement: BP Level & Heartbeat	11	During Measurement: BP Level & Heartbeat Post Measurement	11	
	Post Measurement	4.4		4.4	
	SBP, DBP and Pulse	11	SBP, DBP and Pulse	11	
	Measurement error E 1, E3, E4, E5, Er	11	Measurement error E 1, E3, E4, E5, Er	11	
	Measurement Records		Measurement Records		
	Memory icon	11	Memory icon	11	
	Power		Power		
	Low battery	11, 17	Low battery	11, 17	
	Algorithms		Algorithms		
	Parameter Settings		Parameter Settings		
	Correct cuff wrapping detection	13	Correct cuff wrapping detection	13	
	Case Display		Case Display		
	Single screen display	10	Single screen display	10	
	, ,	10	. ,	10	
	Segment LCD	10	Segment LCD	10	
	Power	4-	Power	4-	
	2 "AAA" batteries ~ 300 measurements	17	2 "AAA" batteries ~ 300 measurements	17	
	Automatic switch-off when not used for 2 min	17	Automatic switch-off when not used for 2 min	17	
Comparable Criteria	Measurement		Measurement		
	Measurement Records		Measurement Records		
	Memory: 1 measurement	14	Memory: 60 measurements	14	

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Device Equivalence Evaluation Form

Devices	Omron RS1 (HEM-6120-E)	Omron RS3 (HEM-6130-E)	
Device 2 Criteria		Buttons/Switches Measurement Records	
		Memory	10
		Settings	
		Set	10
		Display/Symbols/Indicators Post Measurement	
		Hypertension (Indicator strip)	11, 13
		BP classification (Thresholds exceeded)	10, 11, 13
		Average	11, 13, 14
		Body movement error	3, 11, 13, 18
		Irregular heartbeat	11, 13, 18
		Measurement Records	
		Memory recall number (Replaces pulse rate momentarily) Date and Time	11
		Date and Time	11
		Date and Time (During memory recall)	11
		Algorithms Averages and Differences	
		Last 3 measurements (within 10 min of each other) mean Diagnostic	13
		135 / 85 mmHg thresholds	13
		Irregular heartbeat detection	13
		Body movement error detection	3, 13

Comments	1	Note These devices are clearly equivalent and from the same family. The RS1 is a basic version with none of the extra features of the RS3 apart from the cuff wrapping indicator.
Recommendation	Equiv	alence is Recommended
Date	e 15/02/2013	

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