

Sphygmomanometers for Self-Measurement of Blood Pressure (SBPM)

Upper Arm Devices for Self-Measurement of Blood Pressure

Device	Mode	AAMI	BHS	ESH 2002	ESH 2010	Circumstance	Recommendation
A&D UA-631 (UA-779 Life Source)	Oscillometry (Osc)			Pass		At rest, Recruitment violations	Recommended
A&D UA-704	Osc		A/A			Study details omitted	Questionable
A&D UA-705	Osc		A/A			At rest	Recommended
A&D UA-767	Osc	Pass	A/A			At rest; not high BP	Recommended
A&D UA-774			A/A			At rest; tables incomplete	Recommended
(UA-767 Plus)	Osc		A/A			At rest; Recruitment violations; Simultaneous readings	Questionable
A&D UA-778	Osc	Pass	B/A			Children Only, Ad hoc protocol adaptation. (No general validation)	Recommended
A&D UA-787	Osc			Pass			Recommended
A&D UA-853	Osc			Pass		Minor recruitment modification	Recommended
			A/A			D-ring 22cm to 32cm cuff	Recommended
A&D UA-1020	Osc		A/A			Cylindrical 22cm to 32 cm cuff	Recommended
Andon KD-391	Osc (Semi-Automatic)			Pass		At rest	Recommended
Andon KD-556	Osc			Pass		KD-5915 Equivalence	Recommended
Andon KD-575	Osc			Fail		At rest	Not Recommended
Andon KD-5031	Osc			Pass		KD-5915 Equivalence	Recommended
Andon KD-5913	Osc			Pass		KD-5915 Equivalence	Recommended

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Andon KD-5915	Osc			Pass		At Rest	Recommended
Andon KD-5963	Osc			Pass		KD-5915 Equivalence	Recommended
Andon MD-534	Osc			Pass		KD-5915 Equivalence	Recommended
Beurer BM35	Osc			Pass		HL-868BA Equivalence	Recommended
Beurer BM44	Osc			Pass		KD-5915 Equivalence	Recommended
Beurer BM47	Osc			Pass		KD-5915 Equivalence	Recommended
Beurer BM58	Osc			Pass		KD-5915 Equivalence	Recommended
Beurer BM60	Osc			Pass		DS-400 Equivalence	Recommended
Beurer BM65	Osc			Pass		KD-5915 Equivalence	Recommended
Beurer SBM43	Osc			Pass		KD-5915 Equivalence	Recommended
Beurer SBM45	Osc			Pass		KD-5915 Equivalence	Recommended
BIOS BD204	Osc			Pass		LD-578 Equivalence	Recommended
BIOS BD209	Osc			Pass		LD-578 Equivalence	Recommended
Braun BP4600	Osc			Pass		HL-868BA Equivalence	Recommended
Braun BP4900	Osc			Pass		HL-868BA Equivalence	Recommended
Braun BP5900	Osc			Pass		HL-868BA Equivalence	Recommended
Braun BP6000	Osc			Pass		TMB-986 Equivalence	Recommended
Braun BP6100	Osc			Pass		TMB-986 Equivalence	Recommended
Braun BP6200	Osc			Pass		TMB-986 Equivalence	Recommended
Citizen CH-432B	Osc			Pass		At rest	Recommended
Citizen CH-452	Osc			Pass		CH-432B Equivalence	Recommended
Colson MAM BP3AA1-2	Osc			Pass		At rest	Recommended
Foracare Fora D 30	Osc			Pass		At rest	Recommended
Foracare Fora D 40b	Osc				Pass	At rest	Recommended
Foracare Fora P30 Plus	Osc				Pass	At rest	Recommended
Hartmann Tensoval Duo Control	Auscultatory detection w/ microphone detection of Korotkoff sounds (Aus)-Osc	Pass	A/A	Pass		Auscultatory validation only	Recommended
Hartmann Tensoval Duo Control II	Aus-Osc	Pass	A/A		Pass*	*ESH-IP 2010 in Aus mode only	Recommended

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Health & Life HL-868BA	Osc			Pass		At rest	Recommended
			Pass			Abstract; Protocol adjustments	Questionable
Health & Life HL-888HA	Osc		A/A			At rest	Recommended
Honsun LD-30	Osc			Pass		LD-578 Equivalence	Recommended
Honsun LD-578	Osc			Pass		At rest	Recommended
IEM Stabil-O-Graph	Osc		A/A	Pass		Two Studies	Recommended
					Pass	At rest	Recommended
iHealth BP3 (KD-931)	Osc			Pass		KD-5915 Equivalence	Recommended
iHealth BP5	Osc				Pass	At rest	Recommended
Kingyield BP101H	Osc			Pass		At rest	Recommended
Lloyds Pharmacy BP11	Osc			Pass		At rest	Recommended
Medel Check (92187)	Osc			Pass		KD-5915 Equivalence	Recommended
Medel Elite (92125)	Osc			Pass		KD-5915 Equivalence	Recommended
Medel Idea (91913 IDEA)	Osc	Pass	A/A	Pass		SAA-102 Equivalence	Recommended
Medipro MediCare 100f	Osc				Pass	At rest (Note: Not IBP Medipro 100f)	Recommended
				Pass			Recommended
		Pass	A/A			Pregnancy; Abstract	Questionable
Microlife BP 3AC1-1	Osc	Pass	B/A			Pre-eclampsia; Abstract	Questionable
				Pass		BP 3AC1-1 Equivalence	Recommended
Microlife BP 3AC1-1 PC	Osc			Pass		ESRD population	Recommended
Microlife BP 3AC1-2	Osc			Pass		BP 3AC1-1 Equivalence	Recommended
Microlife BP 3AG1	Osc		A/A			BP 3BT0-A Equivalence	Recommended
Microlife BP 3BT0-1	Osc		A/A			BP 3BT0-A Equivalence	Recommended

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Microlife BP 3BTO-A	Osc		A/A			Small recruitment violation	Recommended
		Pass	A/B			Normotensive Pregnancy	Recommended
		Pass	BB			Non-proteinuric HBP	
		Pass	A/B			Pre-Eclampsia	
Microlife BP 3BTO-A(2)	Osc		A/A			BP 3BTO-A Equivalence	Recommended
Microlife BP 3BTO-AP	Osc		A/A			BP 3BTO-A Equivalence	Recommended
Microlife BP A100	Osc			Pass		BP A100 Plus Equivalence	Recommended
				Pass		With "M-L Size" Cuff	Recommended
Microlife BP A100 Plus	Osc			Pass		At rest	Recommended
Microlife Exact BP (BP3MD1-3)	Osc			Pass		BP A100 Equivalence	Recommended
Microlife RM 100	Osc		A/A			BP 3BTO-A Equivalence	Recommended
Microlife WatchBP Home (BP3MX1-1)	Osc			Pass		At rest	Recommended
			A/A			Pregnancy	Recommended
			B/A			Pre-Eclampsia	Recommended
Microlife WatchBP Home A (BP3MX1-3)	Osc			Pass		Microlife WatchBP Home Equivalence	Recommended
Microlife WatchBP Home N (BP3MX1-4)	Osc			Pass		Microlife WatchBP Home Equivalence	Recommended
Microlife WatchBP Home S (BP3MX1-5)	Osc			Pass		Microlife WatchBP Home Equivalence	Recommended
Microlife WatchBP O3 (3MZ0)	Osc			Pass		At rest	Recommended
Microlife WatchBP O3 (3MZ1)	Osc			Pass		At rest	Recommended
Nissei DS-400	Osc			Pass		At rest	Recommended
Nissei DS-500	Osc			Pass		DS-400 Equivalence	Recommended
Nissei DSK-1011	Osc				Pass	At rest	Recommended
Nissei DSK-1031	Osc				Pass	At rest	Recommended
Nissei DSK-1051	Osc				Pass	DSK-1031 Equivalence	Recommended
Omron HEM-705CP-II (HEM-759-E2)	Osc			Pass		705IT (HEM-759-E) Equivalence	

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Omron 705IT				Pass			Recommended
		Pass	A/A			Minor recruitment modification	Recommended
				Pass		Children and adolescents. Reasonable adaptation of protocol.	Recommended
Omron 708-BT	Osc	Pass	A/A			M7 (HEM-780-E) Equivalence	Recommended
(HEM-7081-ITE)							
Omron BP760	Osc			Pass		M6 Comfort (HEM-7000-E) Equivalence	Recommended
(HEM-7220-Z)						New sensor	
Omron BP785	Osc			Pass		M6 Comfort (HEM-7000-E) Equivalence	Recommended
(HEM-7222-Z)						New sensor	
Omron HEM-746C	Osc			Pass		M2 Compact (HEM-7102-E) Equivalence	Recommended
(HEM-746C-SH)							
Omron HEM-780REL	Osc			Pass		At rest; "East Wrap" cuff. Poor study and paper	Questionable
Omron HEM-1020	Osc			Pass		At rest	Recommended
Omron HEM-7051	Osc			Pass		M3 Intellisense (HEM-7051-E) Equivalence	Recommended
(HEM-7051-SH)							
Omron HEM-7080IC	Osc	Pass	A/A	Pass		705IT (HEM-759-E) Equivalence	Recommended
Omron HEM-7101	Osc			Pass		M2 Compact (HEM-7102-E) Equivalence	Recommended
(HEM-7101-SH)							
Omron HEM-7130	Osc				Pass	At rest	Recommended
Omron HEM-7250-IT	Osc				Pass	HEM-7251G Equivalence	Recommended
Omron HEM-7251G	Osc				Pass	At rest	Recommended
Omron HEM-7320F	Osc				Pass	At rest	Recommended

Device	Mode	AAMI	BHS	ESH 2002	ESH 2010	Circumstance	Recommendation
Omron HEM-7500F	Osc				Pass	At rest	Recommended
Omron HEM-Solar (HEM-4500-SOLE)	Osc			Pass		M1 Plus (HEM-4011C-E) Equivalence	Recommended
Omron IA2 (HEM-7011-C1)	Osc	Pass	A/A	Pass		705IT (HEM-759-E) Equivalence	Recommended
Omron i-C10				Pass		M6 Comfort (HEM-7000-E) Equivalence	Recommended
(HEM-7070-E)	Osc	Pass	A/A			M7 (HEM-780-E) Equivalence	Recommended
Omron i-Q132 SpotArm (HEM-1010-E)	Osc			Pass		At rest	Recommended
Omron i-Q142 SpotArm (HEM-1040-E)	Osc				Pass	At rest	Recommended
Omron M1 (HEM-4030-E)	Osc			Pass		M1 Plus (HEM-4011C-E) Equivalence	Recommended
Omron M1 Classic (HEM-442-E)	Osc			Pass		M1 Plus (HEM-4011C-E) Equivalence	Recommended
Omron M1 Compact (HEM-4022-E)	Osc			Pass		M1 Plus (HEM-4011C-E) Equivalence	
Omron M1 Plus (HEM-4011C-E)	Osc			Pass		At rest	Recommended
Omron M2 (HEM-7117-E)	Osc			Pass		M3 Intellisense (HEM-7051- E) Equivalence	Recommended
Omron M2 (HEM-7117-E8)	Osc			Pass		M3 Intellisense (HEM-7051- E) Equivalence New sensor	Recommended
Omron M2 (HEM-7119-E)	Osc			Pass		M3 Intellisense (HEM-7051- E) Equivalence New sensor	Recommended
Omron M2 Basic (HEM-7116-E)	Osc			Pass		M3 Intellisense (HEM-7051- E) Equivalence	Recommended
Omron M2 Basic (HEM-7116-E2)	Osc			Pass		M3 Intellisense (HEM-7051- E) Equivalence New sensor	Recommended

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Omron M2 Basic (HEM-7116-E8)	Osc			Pass		M3 Intellisense (HEM-7051-E) Equivalence New sensor	Recommended
Omron M2 Compact (HEM-7102-E)	Osc			Pass		At rest	Recommended
Omron M3 (HEM-7200-E)	Osc			Pass		M3 Intellisense (HEM-7051-E) Equivalence	Recommended
					Pass	Addendum available	Recommended
Omron M3 (HEM-7200-E2)	Osc			Pass		M3 Intellisense (HEM-7051-E) Equivalence New sensor	Recommended
Omron M3 (HEM-7200-E8)	Osc			Pass		M3 Intellisense (HEM-7051-E) Equivalence New sensor	Recommended
Omron M3 Intellisense (HEM-7051-E)	Osc			Pass		At rest	Recommended
Omron M3W (HEM-7202-E)	Osc				Pass	At rest	Recommended
Omron M4-I (HEM-752-E)	Osc			Pass		705IT (HEM-759-E) New sensor	Recommended
Omron M5-I (HEM-757-E)	Osc			Pass			Recommended
				Pass		Elderly Population	Recommended
Omron M6 (HEM-7001-E)				Pass		At rest	Recommended
				Pass		General Population	Recommended
				Pass		Obese Population	Recommended
				Pass		Elderly Population	Recommended
	Osc	Pass	A/A			705IT (HEM-759-E) Equivalence	Recommended
Omron M6 (HEM-7211-E)	Osc	Pass	A/A	Pass		705IT (HEM-759-E) Equivalences	Recommended
					Pass	Addendum available	Recommended

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Omron M6 (HEM-7211-E8)	Osc			Pass		705IT (HEM-759-E) Equivalence New sensor	Recommended
Omron M6 AC (HEM-7322-E)	Osc				Pass	At rest	Recommended
Omron M6 Comfort (HEM-7000-E)	Osc	Pass	A/A	Pass		At rest M7 (HEM-780-E) Equivalence	Recommended
Omron M6 Comfort (HEM-7221-E)	Osc	Pass	A/A	Pass		M6 Comfort (HEM-7000-E) Equivalence M7 (HEM-780-E) Equivalence	Recommended
Omron M6 Comfort (HEM-7221-E8)	Osc				Pass	At rest M6 Comfort (HEM-7000-E) Equivalence New sensor	Recommended
Omron M6 Comfort (HEM-7223-E)	Osc				Pass	At rest	Recommended
Omron M6 Comfort (HEM-7321-E)	Osc				Pass	At rest	Recommended
Omron M6W (HEM-7213-E)	Osc				Pass	At rest	Recommended
Omron M7 (HEM-780-E)	Osc	Pass	A/A			General population Population requiring Large Cuff Pregnancy Pre-Eclampsia	Recommended
Omron M10-IT (HEM-7080IT-E)	Osc	Pass	A/A	Pass		M6 Comfort (HEM-7000-E) Equivalence M7 (HEM-780-E) Equivalence	Recommended

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Omron MX2 Basic (HEM-742-E2)	Osc			Pass		M2 Compact (HEM-7102-E) Equivalence	Recommended
Omron MX3 Plus (HEM-742-E)	Osc			Pass		Errors in paper corrected.	Recommended
Omron SEM-1 (HEM-7051-C12)	Osc			Pass		M3 Intellisense (HEM-7051-E) Equivalence	Recommended
Oregon Scientific BPU 330	Osc			Pass		At rest; Plots incorrect	Recommended
Oregon Scientific BPW810				Pass		See web page for critique	Questionable
Panasonic EW3106	Osc			Pass		At rest	Recommended
Panasonic EW3109	Osc			Pass		At rest	Recommended
Pic Solution (Artsana) Classic Check (100)	Osc			Pass		My Check Equivalence	Recommended
Pic Solution (Artsana) Classic Check (200)	Osc			Pass		My Check Equivalence	Recommended
Pic Solution (Artsana) Comfort Check	Osc			Pass		At rest	Recommended
Pic Solution (Artsana) CS 410	Osc			Pass		At rest	Recommended
Pic Solution (Artsana) CSI 610	Osc			Pass		At rest	Recommended
Pic Solution (Artsana) Daily Check	Osc			Pass		My Check Equivalence	Recommended
Pic Solution (Artsana) Digit Extra	Osc			Pass		KD-5915 Equivalence	Recommended
Pic Solution (Artsana) Digit Smart	Osc			Pass		KD-5915 Equivalence	Recommended
Pic Solution (Artsana) Help Check	Osc			Pass		My Check Equivalence	Recommended
Pic Solution (artsana) Mamy Check	Osc			Pass		My Check Equivalence	Recommended
Pic Solution (Artsana) My Check	Osc			Pass		At rest	Recommended

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Pic Solution (Artsana) One Check	Osc			Pass		My Check Equivalence	Recommended
Pic Solution (Artsana) Personal Check	Osc			Pass		At rest	Recommended
Polygreen K-Jump KP-7770	Osc			Pass		K-Jump KP7500D Equivalencce	Recommended
Rossmax ME 701 series	Osc		A/A	Pass		At rest	Recommended
Seinex SE-9400	Osc			Pass		At rest	Recommended
Sensacare SAA-102 (Standard)	Osc	Pass	A/A	Pass		Three studies. BHS under reported.	Recommended
Spengler K-Jump KP7500D	Osc			Pass		At rest	Recommended
Spengler K-Jump Pro M	Osc			Pass		At rest	Recommended
Taidoc U-Right TD-3124	Osc				Pass	At rest	Recommended
Thermor Bios BD215	Osc				Pass	At rest	Recommended
Transtek TMB-986	Osc			Pass		At rest	Recommended
UEBE Visomat Comfort 20/40	Osc			Pass		At rest	Recommended
UEBE Visomat Comfort E (Ref 24016)	Osc				Pass	Double Comfort (Osc Mode) Equivalence	Recommended
UEBE Visomat Comfort Eco	Osc			Pass		At rest	Recommended
UEBE Visomat Comfort Form	Osc			Pass		At rest	Recommended
UEBE Visomat Double Comfort	Osc				Pass	At rest	Recommended
	Aus				Pass	At rest	Recommended
Welch-Allyn transtelephonic home monitor	Osc	Pass	?			Parkinson's disease, 30 sub * 2 measurements	Questionable