Validated BP Monitors for For Specialist Use

Filter by price

All

Manufacturer	Model	Type	Validated by
All Manufacturers	Search Model	All	All

Under £100

Microlife	WatchBP Home	Pregnancy	Independent

Features:

L-XL cuff available. 4 x AA batteries mains adaptor available

Notes:

AF detection in this device does not mean that this device is validated for use in patients with AF

References:

Chung Y, de Greeff A & Shennan A. Valdiation and compliance of a home monitoring device in pregnancy: Microlife Watch B Home. Hypertension in Pregnancy, 28, 3:348-359.

Over £100

A C Cossor & Son	Greenlight 300	Clinic	Independent

Features:

4 x AA batteries

Notes:

Manual Device

References:

Graves JW, Tibor M, Blaithnead M, Klein L & Sheps SG. The Accoson Greenlight 300, the first non-automated mercury-free blood pressure measurement device to pass the International Protocol for blood pressure measuring devices in adults. Bloo Pressure Monitoring 2004, 9(1):13-17

A&D;	TM-2430	ABPM	Independent

Features:

Software included. Data output facility to PC or printer. 3 x AA NiMH rechargeable (included) or AA Alkaline

References:

Palatini P, Frigo G, Bertolo O et al. Validation of the A&D TM-2430 device for ambulatory blood pressure monitoring and evaluation of performance according to sujects' characteristics. Blood Pressure Monitoring 1998: 3:255-260

A&D;	TM2440 (Derivative of TM2441)	ABPM	Independent

Features:

ABPM device

References:

Kazuomi Kario, Satoshi Hoshide, Kimiyo Saito, Keiko Sato, Haruna Hamasaki, Hiromi Suwa and Naoko Tomitani Validation of the TM-2441 ambulatory blood pressure measurement device according to the ISO 81060-2:2013 standard Blood Pressure Monitoring 2019, 24:38–41

Manufacturer	Model	Type	Validated by
A&D;	TM2441	ABPM	Independent

Features:

ABPM device

References:

Kazuomi Kario, Satoshi Hoshide, Kimiyo Saito, Keiko Sato, Haruna Hamasaki, Hiromi Suwa and Naoko Tomitani Validation of the TM-2441 ambulatory blood pressure measurement device according to the ISO 81060-2:2013 standard Blood Pressure Monitoring 2019, 24:38–41

A&D;	TM-2655	Waiting Room	Independent

Features:

Mains Powered

Notes:

Validated for self-assessment in pharmacies etc

References:

Kobalava ZD, Ktoovskaya YV, Babaeva LA & Moiseev VS. Validation of TM-2655 oscillometric device for blood pressure measurement. Blood Pressure Monitoring 2006, 11 (2):87-90

Dinamap	Procare 230 (Derivative of Procare 100)	Clinic	Independent

References:

Reinders A, Reggiori F & Shennan A. Validation of the Dinamap ProCare blood pressure device according to the Internationa Protocol in an adult population. Blood Pressure Monitoring 2006, (11) 5: 293-296

Dinamap	Procare 420 (Derivative of Procare 100)	Clinic	Independent

References:

Reinders A, Reggiori F & Shennan A. Validation of the Dinamap ProCare blood pressure device according to the Internationa Protocol in an adult population. Blood Pressure Monitoring 2006, (11) 5: 293-296

Dinamap	Procare 200 (Derivative of Dinamap 100)	Clinic	Independent

Features:

Reads BP & temp. 6VDC rechargeable batter

References:

Reinders A, Reggiori F & Shennan A. Validation of the Dinamap ProCare blood pressure device according to the Internationa Protocol in an adult population. Blood Pressure Monitoring 2006, (11) 5: 293-296

Dinamap	Procare 100	Clinic	Independent

Features:

6VDC rechargeable battery

References:

Reinders A, Reggiori F & Shennan A. Validation of the Dinamap ProCare blood pressure device according to the Internationa Protocol in an adult population. Blood Pressure Monitoring 2006, (11) 5: 293-296

GE	Carescape V100 (Derivative of Procare 100)	Clinic	Independent

Manufacturer	Model	Type	Validated by

Features:

6VDC rechargeable battery

References:

Reinders A, Reggiori F & Shennan A. Validation of the Dinamap ProCare blood pressure device according to the Internationa Protocol in an adult population. Blood Pressure Monitoring 2006, (11) 5: 293-296

Healthworks	SCLV-2007 Cardio-Vascular Lab (Derivative of Spengler KP-7500D)	Clinic	Independent

Features:

USB driven

Notes:

ABI, stroke volume & cardiac output

References:

Belghazi J, El Feghali MN, Moussalem T, Rejdych M & Asmar RG. Validation of four automatic devices for self-measurement o blood pressure according to the International Protocol of the European Society of Hypertension. Vascular Health & Risk Management 2007: 3(4) 1-12

HeathSTATS International	Bpro	ABPM	Independent

Features:

3C CR 2032 3V coin battery

Notes:

Wrist device

References:

Nair D, Tan S-Y, Gan H-W, Lim S-F, Tan J, Zhu M, Gao H, Chua N-H, Peh W-I & Mak K-H. Research letter: The use of ambulator tonometric radial arterial wave capture to measure ambulatory blood pressure: the validation of a novel wrist-bound device in adults. Journal of human Hypertension 2008, 22:220-222

IEM	Mobil-O-Graph NG 24/48h ABPM	ABPM	Independent

Features:

Software included. 2 x AA rechargeable charger included

References:

Franssen PML & Imholz BPM. Evaluation of the Mobil-O-Graph new generation ABPM device using the ESH criteria. Blood Pressure Monitoring 2010, 15: 229-231. Weiss W, Tolle M, Zidek W & van der Giet M. Validation of the Mobil-O-Graph: 24h-blood pressure measurement device. Blood Pressure Monitoring, 15:225-228

Meditech	ABPM-04	ABPM	Independent

Features:

4 x AA Alkaline or rechargeable

References:

Barna I, Keazei A & Dunai A. Evaluation of Meditech ABPM-04 ambulatory blood pressure measuring device according to the British Hypertension Society protocol. Blood Pressure Monitoring 1998, 3:363-368

Meditech	ABPM-05 (Derivative of ABPM-04)	ABPM	Independent

Manufacturer	Model	Type	Validated by

References:

Barna I, Keazei A & Dunai A. Evaluation of Meditech ABPM-04 ambulatory blood pressure measuring device according to the British Hypertension Society protocol. Blood Pressure Monitoring 1998, 3:363-368

Meditech	ABPM-06	ABPM	Independent

Notes:

Validated and approved against the BHS protocol only. Protocol violations noted for ESH-IP2 and IOS

References:

Hermányi Z, Pokoly B, Visolyi G, Barna I. Evaluation of Meditech ABPM-06 ambulatory blood pressure measuring device, according to the European Society of Hypertension, the British Hypertension Society and the International Organization for Standardization protocol. Blood Press Monit. 2019; 24:208–211

Microlife	WatchBP 03	ABPM	Independent

Features:

PC link. 4 x AAA Alkaline Batteries

Notes:

AF detection in this device does not mean that this device is validated for use in patients with AF

References:

Ragazzo F, Saladini F & Palatini P. Validation of the Microlife WatchBP 03 device for clinic, home and ambulatory blood pressure measurement, according to the International Protocol. Blood Pressure Monitoring 2010, 15(1):59-62

Mindray	Accutor V (Derivative of Mindray Accutor Plus)	Clinic	Independent

Features:

Child, Standard Adult & Large Adult Cuffs: 12v rechargeable SLA or 10.8v rechargeable lithiam iron battery

References:

Anwar YA, Tendler BE, McCabe EJ et al. Evaluation of the Datascope Accutorr Plus according to the Association for Advancement of Mdical Instrumentation. Blood Pressure Monitoring. 1997, 2:105-110

Mindray	Accutor V (Derivative of Mindray Accutor Plus)	Children	Independent

Features:

Child, Standard Adult & Large Adult Cuffs: 12v rechargeable SLA or 10.8v rechargeable lithiam iron battery

References:

Wong SN, Sung RYT & Leung LCK. Validation of three oscillometric blood pressure devices against auscultatory Mercury sphygmomanometers in children. Blood Pressure Monitoring 2006, 11:281-291

Mindray	Accutor Plus	Clinic	Independent

Features:

Child, Standard Adult & Large Adult Cuffs: 12v rechargeable SLA or 10.8v rechargeable lithiam iron battery

References:

Anwar YA, Tendler BE, McCabe EJ et al. Evaluation of the Datascope Accutorr Plus according to the Association for Advancement of Mdical Instrumentation. Blood Pressure Monitoring. 1997, 2:105-110

Mindray	Accutor Plus	Children	Independent

Manufacturer	Model	Type	Validated by

Features:

Child, Standard Adult & Large Adult Cuffs: 12v rechargeable SLA or 10.8v rechargeable lithiam iron battery

References:

Wong SN, Sung RYT & Leung LCK. Validation of three oscillometric blood pressure devices against auscultatory Mercury sphygmomanometers in children. Blood Pressure Monitoring 2006, 11:281-291

Mortara (formerly Tiba Medical)	Ambulo 2400	ABPM	Independent

Features:

2 x AA Alkaline or NiMH batteries

References:

Alpert BS. Validation of the Tiba Medical Ambulo 2400 ambulatory blood pressure monitor to the ISO and British protocol. Blood Pressure Monitoring 2010, 15:275-277

Nissei	DM-3000	Clinic	Independent

Features:

Auscultatory & Oscillometric function. Rechargeable battery pack. AC mains adaptor included

Notes:

Validated for use in automatic oscillometric mode and in blinded auscultatory mode at default deflation rate of 2.5mmHg/s

References:

Tasker F, de Greef A & Shennan A. Development and validation of a blinded hyprid device according to the European Hypertension Society Protocol: Nissei DM-3000. Journal of Human Hypertension (2010), doi: 10.1038/jhh.2009.113

Novacor	Diasys 3	ABPM	Independent

References:

Atkins N, Fania C and Palatini P. Validation of the blood pressure measurement technolog used in the Novacor Diasys 3 (DIS 0001-00) upper arm device for ambulatory blood pressure measurement, according to the requirements of the AAMI/ANSI/ISO 81060-2:2013 standard (for both a general study and a cardiac-stress study in adults) and of the European Society of Hypertension International Protocol revision 2010.
Blood Pressure Monitoring 2021, 26:70–77

Novacor	Diasys 3 Plus	ABPM	Independent

Features:

ABPM device

Notes:

Approved according to the International Protocol (2010)

References:

Atkins N, Fania C and Palatini P. Validation of the blood pressure measurement technology used in the Novacor Diasys 3 Plu (DIP-0001-00) upperarm device for ambulatory blood pressure measurement, according to AAMI/ANSI/ISO 81060-2:2013, ESH-IP 2010 and MEDDEV 2.7/1. Blood Pressure Monitoring 2020, 25:359–367

Omron	M7 (HEM-780-E)	Obese Adults	Independent

Manufacturer	Model	Type	Validated by

Features:

One-size cuff 22-42cm, 4 x AA batteries, AC mains adapter available

Notes:

Also validated for use in pregnancy - See separate note

References:

El Feghali RN, Topouchian JA, Pannier BM, El Assaad HA & Asmar RG. Validation of the Omron M7 (HEM0780-E) blood pressure measuring device in a population requiring large cuff use according to the International Protocol of the European Society of Hypertension. Blood Pressure Monitoring 2007, 12: 173-178.

Omron	M7 (HEM-780-E)	Pregnancy & Pre-eclampsia	Independent

Features:

One-size cuff 22-42cm, 4 x AA batteries, AC mains adapter available

Notes:

Also validated for use in obese adults - See separate note

References:

de Greef A, Beg Z, Gangji Z, Dorney E & Shennan A. Accuracy of inflationary versus deflationary oscillometry in pregnancy an pre-eclampsia; Omron MIT versus Omron M7 Blood Pressure Monitoring 2009, 14:37-40

Schiller	BR-102 Plus	ABPM	Independent

Features:

2 x rechageable AA batteries

References:

Denchev SV, Simova II & Matveev MG. Evaluation of the Schiller BR-102 Plus non-invasive ambulatory blood pressure monito according to the International Protocol introduced by the Working Group on Blood Pressure Monitoring of the European Society of Hypertension. Blood Pressure Monitoring 2007, 12:329-333

Sorin	Agilis	ABPM	Independent

Features:

Software included. 2 x AA Alkaline or NiMH rechargeable

References:

Mallion JJM, Pierre H, Neuder Y, Ormezzano O & Baguet JP. Validation of the Agilis ambulatory blood pressure monitor according to the European Society of Hypertension Intewrnational Protocol for validation of blood pressure measuring devices in adults. Blood Pressure Monitoring 2005, 10(2):97-101

Spacelabs	SL 90217	ABPM	Independent

Features:

Sofware & download cable included. Ultralight. 3 x AA batteries

References:

Baumgart P & Kamp J. Accuracy of the SpaceLabs Medical 90217 ambulatory blood pressure monitor. Blood Pressure Monitoring 1998, 3:303-307

Spacelabs	SL90207	ABPM	Independent

Manufacturer	Model	Type	Validated by

Features:

Software and download cable included. 4 x AA batteries

References:

O'Brien E, Mee F, Atkins N & O'Malley K. Accuracy of the SpaceLabs 90207 determined by the British Hypertension Society Protocol. J Hypertens 1991, 9 (suppl 5): S25-S31

Unimedic	Tensioday	ABPM	Independent

Features:

4 x AA batteries

References:

Nemeth Z, Moczar K & Deak G. Evaluation of the Tensioday ambulatory blood pressure monitor according to the protocols o the British Hypertension Society and the Association for the Advancement of Medical Instrumentation. Blood Pressure Monitoring 2002, 7:191-197

Uscom	BP+ (Derivative of Tonoport VI)	Clinic	Independent

Features:

AC power supply & 3 cuffs included (Small Adult, Adult & Large Adult Cuffs), Graphic display with waveforms

Notes:

In the absence of a recognised protocol for testing central pressure accuracy, this device is validated for brachial measurement only.

References:

Abou-Dakn M, Dohmen C and Wenzel S. Validation of the Tonoport VI ambulatory blood pressure monitor in adults according to the European Society of Hypertension International Protocol revision 2010. Journal of Human Hypertension (2016), 1-4

Welch Allyn	ABPM 6100 (Derivative of Suntech Oscar 2)	ABPM	Independent

Features:

2 x AA batteries

References:

Goodwin J, Bilous M, Winship S, Fin P & Jones SC. Validation of the Oscar 2 oscillometric 24-h ambulatory blood pressure monitor according to the British Hypertension Society protocol. Blood Pressure Monitoring 2007, 12:113-117

Withings	BPM Connect (WPM05)	Pregnancy & Pre-eclampsia	Independent

References:

Zelveian P, Topouchian J, Hakobyan Z, Asmar J, Gharibyan H, Asmar R
Clinical Accuracy of the Withings BPM Connect for Self-Blood Pressure Measurements in Pregnancy and Pre-Eclampsia: Validation According to the Association for the Advancement of Medical Instrumentation/European Society of Hypertension/International
Organization for Standardization Universal Standard
Vascular Health and Risk Management, 2022, 18, 181–189

Unknown Price			
Keeler	Big Ben Square, Round , Windsor, Palm, Classic (All derivative of Riester Big Ben Square)	Aneroid	BIHS

References:

Riester Big Ben Square tested and approved by the BIHS Validation Service

Manufacturer	Model	Type	Validated by
Mindray	BeneVision N12 (Derivative of BeneView T5)	Vital Signs Monitor	BIHS

Notes:

Validated for BP Measurement only

References:

Original device tested and approved by the BHS Validation Service

Manufacturer	Model	Type	Validated by
Mindray	BeneView T5	Vital Signs Monitor	BIHS

Notes:

Validated for BP measurement only

References:

Tested and approved by the BHS Validation Service

Manufacturer	Model	Type	Validated by
Mindray	iMEC12 (Derivative of Mindray BeneView T5)	Vital Signs Monitor	BIHS

Notes:

Validated for BP measurement only

References:

Beneview T5 Tested and approved by the BHS Validation Service

Manufacturer	Model	Type	Validated by
All Manufacturers	Search Model	All	All
Unknown Price			
Mindray	iPM 12 (Derivative of Mindray BeneView T5)	Vital Signs Monitor	BIHS

Notes:

Validated for BP measurement only

References:

Beneview T5 Tested and approved by the BHS Validation Service

Riester	R1 shock-proof (Derivative of Big Ben Square)	Aneroid	BIHS

References:

Big Ben Square Tested and approved by the BHS Validation Service

Riester	Big Ben Square	Aneroid	BIHS

References:

Tested and approved by the BHS Validation Service

Riester	exacta (Derivative of Big Ben Square)	Aneroid	BIHS

References:

Tested and approved by the BIHS Validation Service

Riester	E-mega (Derivative of Big Ben Square)	Aneroid	BIHS

References:

Big Ben Square Tested and approved by the BHS Validation Service

Riester	Big Ben Round (Derivative of Big Ben Square)	Aneroid	BIHS

References:

Big Ben Square Tested and approved by the BHS Validation Service

Riester	Precisa N Shock-proof (Derivative of Big Ben Square)	Aneroid	BIHS

References:

Big Ben Square Tested and approved by the BHS Validation Service

Riester	Minimus III (Derivative of Big Ben Square)	Aneroid	BIHS

Manufacturer	Model	Type	Validated by

References:

Big Ben Square Tested and approved by the BHS Validation Service

Riester	ri-san (Derivative of Big Ben Square)	Aneroid	BIHS

References:

Tested and approved by the BHS Validation Service

Riester	precisa N (Derivative of Big Ben Square)	Aneroid	BIHS

References:

Big Ben Square Tested and approved by the BHS Validation Service

Riester	Minimus II (Derivative of Big Ben Square)	Aneroid	BIHS

References:

Big Ben Square Tested and approved by the BHS Validation Service

A&D;	TM-2657P (Derivative of TM-TM2656)	Waiting Room	Independent

References:

Wei-Fang Zeng, Ming Liu, Yuan-Yuan Kang, Yan Li, Ji-Guang Wang
Validation of the fully automated A&D TM-2656 blood pressure monitor according to the British Hypertension Society Protocol
Blood Press Monitoring, 2013 Aug;18(4):223-6

A&D;	TM-2656	Waiting Room	Independent

Notes:

Static, automatic arm cuffing system suitable for use in clinical settings for patients to self-measure BP.

References:

Wei-Fang Z, Ming L, Yuan-Yuan K, Yan L and Ji-Guang W. Validation of the fully automated A&D TM-2656 blood pressure monitor according to the British Hypertension Society Protocol. Blood Pressure Monitoring 2013, 18:223-226

Andon	KD-391	Clinic	Independent

References:

Wan y, Pan F, Liu Y, Liang Y, Yang Y, Zhao H & Xu Y. Validation of the Andon KD-391 semi-automated blood pressure monito in adults according to the International Protocol. Blood Pressure Monitoring 2009, 14:181-184

Andon Health Co. Ltd	KD - 551 (Derivative of KD-5917)	Upper Arm	Independent

References:

Wan-Gang Guo, Bing-Ling Li, Yong He, Yu-Sheng Xue, Hai-Yan Wang, Qiang-Sun Zheng and Ding-Cheng Xiang
Validation of the Andon KD-5917 automatic upper arm blood pressure monitor, for clinic use and self-measurement, according to the European Society of Hypertension
International Protocol revision 2010
Blood Pressure Monitoring, 2014, 19:242–245

Andon Health Co. Ltd	KD - 5811 (Derivative of KD- 5917)	Upper Arm	Independent

Manufacturer	Model	Type	Validated by

References:

Wan-Gang Guo, Bing-Ling Li, Yong He, Yu-Sheng Xue, Hai-Yan Wang, Qiang-Sun Zheng and Ding-Cheng Xiang
Validation of the Andon KD-5917 automatic upper arm blood pressure monitor, for clinic use and self-measurement, according to the European Society of Hypertension
International Protocol revision 2010
Blood Pressure Monitoring, 2014, 19:242–245

Andon Health Co. Ltd	KD - 5810 (Derivative of KD- 5917)	Upper Arm	Independent

References:

Wan-Gang Guo, Bing-Ling Li, Yong He, Yu-Sheng Xue, Hai-Yan Wang, Qiang-Sun Zheng and Ding-Cheng Xiang
Validation of the Andon KD-5917 automatic upper arm blood pressure monitor, for clinic use and self-measurement, according to the European Society of Hypertension
International Protocol revision 2010
Blood Pressure Monitoring, 2014, 19:242–245

Artsana	CS 410	Clinic	Independent

References:

Pini C, Natalizi A, Gerosa PF, Frigerio M, Omboni S & Parati G. Validation of the Artsana CS 410 automated blood pressure monitor in adults according to the International Protocol of the European Society of Hypertension. Blood Pressure Monitoring 2008, 13:177-182

Artsana	CS 610	Clinic	Independent

References:

Pini C, Pastori M, Bacceschi J, Omboni S & Parati G. Validation of the Artsana CS610 automated blood pressure monitor in adults according to the International Protocol of the European Society of Hypertension. Blood Pressure Monitoring 2007, 12:179-184

BTL	BTL-08 ABPM II (OEM derivative of Meditech ABPM-05)	ABPM	Independent

References:

Barna I, Keazei A & Dunai A. Evaluation of Meditech ABPM-04 ambulatory blood pressure measuring device according to the British Hypertension Society protocol. Blood Pressure Monitoring 1998, 3:363-368

EDAN	SA - 10	Clinic	Independent

Notes:

Please note that this machine only passed the static part of ISO, not for ABPM

References:

Validation of the EDAN SA-10 ambulatory blood pressure monitor in general population according to the Association for the Advancement of Medical Instrumentation/European Society of Hypertension/International Organization for Standardization Universal Standard
Bing Wang, Kui Liu, Linyi Li, Shimin Yin, and Jie Ren
Blood Pressure Monitoring: August 2022 - Volume 27 - Issue 4 - p 276-279
doi: 10.1097/MBP.0000000000000600

ERKA Kallmeyer Medizintechnik	Erkameter 125 PRO	Clinic	Independent

References:

B Beime, C Deutsch, R Kruger, E Zimmermann and P Bramlage. Validation of the blood pressure measurement device Erkameter 125 PRO according to the European Society of Hypertension International Protocol revision 2010. Blood Pressur Monitoring 2016, 21:356-360

ET Medical Devices	Cardioline Walk200B (OEM derivative of IEM Mobil-O-Graph)	ABPM	Independent

Manufacturer	Model	Type	Validated by

References:

Franssen PML & Imholz BPM. Evaluation of the Mobil-O-Graph new generation ABPM device using the ESH criteria. Blood Pressure Monitoring 2010, 15: 229-231.
Weiss W, Tolle M, Zidek W & van der Giet M. Validation of the Mobil-O-Graph: 24h-blood pressure measurement device. Blood Pressure Monitoring, 15:225-228

EnvitecC-Wismar	PhysioQuant	ABPM	Independent

Notes:

Minor protocol violation; only 2 observers used in the validation study

References:

Langewitz W & Tanner S. Validation of the PhysioQuant blood pressure measuring monitor in adults. Blood Pressure Monitoring 2009, 14(5): 220-221

Ergoline	Ergoscan (Derivative of EnvitecWismar PhysioQuant)	ABPM	Independent

Notes:

Minor protocol violation; only 2 observers used in the validation study

References:

Langewitz W & Tanner S. Validation of the PhysioQuant blood pressure measuring monitor in adults. Blood Pressure Monitoring 2009, 14(5): 220-221

GE Healthcare	Tonoport V	ABPM	Independent

Features:

2 x AA batteries

References:

Haensel A, Utech K & Langewitz W. Validation of Tonoport V blood pressure measuring monitor in adults. Journal of Human Hypertension 2005, 0:1-6

Heine Gamma	G7 (G5)	Aneroid	Independent

References:

Dorigatti F, Bonso E, Zanier A & Palatini P. Validation of Heine Gamma G7 (G5) and XXL-LFR aneroid devices for blood pressure measurement. Blood Pressure Monitoring 2007, 12:29-33

Heine Gamma	XXL-LF	Aneroid	Independent

References:

Dorigatti F, Bonso E, Zanier A & Palatini P. Validation of Heine Gamma G7 (G5) and XXL-LFR aneroid devices for blood pressure measurement. Blood Pressure Monitoring 2007, 12:29-33

Hingmed	WBP-02A	ABPM	Independent

References:

Validation of the Hingmed WBP-02A device for ambulatoryblood pressure monitoring according to the European Society of Hypertension International Protocol revision 2010. Claudio Fania, Leonardo Vezzù, Ilaria Lazzaretto and Paolo Palatini. Blood Pressure Monitoring 2019, 24:151–154

HoMedics	WGNBPA-540	Clinic	Independent

References:

Yarrows S. Accuracy of the HoMedics Walgreens Deluxe Arm Blood pressure device (WGNBPA-540) compared with auscultatiion in 85 individuals. Blood Pressure Monitoring 2001, 16:200-202

InBody	BPBIO250	Clinic	Independent

Manufacturer	Model	Type	Validated by

References:

Kollias A, Gravvani A, Anagnostopoulos I, Kyriakoulis K, Bountzona I, Menti A and Stergiou G. Validation of the InBody BPBIO250 oscillometric blood pressure monitor for professional office use in general population according to the Associatio for the Advancement of Medical Instrumentation/European Society of Hypertension/International Organization for Standardization Universal Standard. Blood Pressure Monitoring 2020, 25:115–117

InBody	BPBIO320	Waiting Room	Independent

Features:

Kiosk device for public use

References:

Kollias A, Stamolliu E, Kyriakoulis KG, Papadatos SS, Stergiou, GS. Validation of the single-cuff oscillometric blood pressure monitor InBody BPBIO320 for public use according to the 2010 European Society of Hypertension International Protocol. Blood Pressure Monitoring 2019, 24:30-32

InBody	BPBIO750 (Derivative of BPBIO320)	Waiting Room	Independent

Features:

Kiosk device for public use

References:

Kollias A, Stamolliu E, Kyriakoulis KG, Papadatos SS, Stergiou, GS. Validation of the single-cuff oscillometric blood pressure monitor InBody BPBIO320 for public use according to the 2010 European Society of Hypertension International Protocol. Blood Pressure Monitoring 2019, 24:30-32

Medaval	QMon-20	Clinic	Independent

References:

Sergio Rico-Martín, Marisol Sánchez-Bacaicoa, Julián F. Calderón-García, Pedro J. Labrador-Gómez, Jorge M. De Nicolás Jiménez, Juan Villa-Rincón, Nicolás R. Robles, Carlos Guijarro, Chiara Iammarino, Enrique Rodilla-Salas and Juan F. Sánchez Muñoz-Torrero
Validation of the QMon-20 oscillometric blood pressure monitor for professional office use in the general population according to the ANSI/ESH/ISO 81060–2:2018 protocol
Blood Pressure Monitoring 2021, 26:393–395

Medset Medizintechnik	Scanlight III (OEM derivative of IEM Mobil-O-Graph)	ABPM	Independent

References:

Franssen PML & Imholz BPM. Evaluation of the Mobil-O-Graph new generation ABPM device using the ESH criteria. Blood Pressure Monitoring 2010, 15: 229-231.
Weiss W, Tolle M, Zidek W & van der Giet M. Validation of the Mobil-O-Graph: 24h-blood pressure measurement device. Blood Pressure Monitoring 2010 15:225-228

Microlife	WatchBP Office ABI	Obese Adults	Independent

Notes:

Validated for upper arm use only. NB AF detection does not mean that this device has been validated for use in patients wit AF

References:

Masiero S, Saladini F, Benetti E & Palatini P. Accuracy of the Microlife large-extra large sized cuff (32-52cm) coupled to an automatic oscillometric device. Blood Pressure Monitoring 2011, 16:99-102

Microlife	3AS1-2	Pregnancy	Independent

Manufacturer	Model	Type	Validated by

Features:

Semi-automatic. 2 x AAA batteries

Notes:

Validated for use in pregnancy only. An insufficient population of pre-eclamptic patients was used in the validation study to inform recommendation. Minor protocol violation; only 2 observers used in the validation study. Validated in pregnant population with low blood pressure in a low resource settings in low and middle income countries

References:

de Greef A, Nathan , Stafford N, Liu B & Shennan A. Development of an acccurate oscillometric blood pressure device for low resource settings. Blood Pressure Monitoring 2008, 13:342-348.
Nathan HL, de Greeff A, Hezelgrave NL, Chappell LC and Shennan AH. An accurate semiautomated oscillometric blood pressure device for use in pregnancy (including pre-eclampsia) in a low-income and middle-income country populaton: the Microlife 3AS1-2. Blood Pressure Monitoring 2015, 20:52-55.

Nathan, L, de Greeff A, Hezelgrave NL, Chappell LC and Shennan A. Accuracy of the Microlife 3AS1-2 blood pressure device i a pregnant population with low blood pressure. Blood Pressure Monitoring 1025, 20:299-302

Microlife	WatchBP Home	Pregnancy	Independent

Notes:

Device reached A/A grade for medium arm circumference and A/B for large arm circumference

References:

Clark K, Snowball O, Nzelu D, Kay P, Kametas A. Validation of the Microlife WatchBP Home blood pressure device in pregnancy for medium and large arm circumferences. Blood Pressure Monitoring 2018, 23:171-174

Microlife	A3PC	Clinic	Independent

Notes:

approved for use in diabetes, but with medium large cuff only

References:

Validation of the Microlife BP A3 PC upper arm blood pressure monitor in patients with diabetes mellitus according to the ANSI/AAMI/ISO 81060-2:2013 protocol
Beate Beimea; Ralf Krügera; Gertrud Hammelb; Peter Bramlagea; Cornelia Deutscha
Blood Press Monitoring: February 2018; 23(1):52-57. doi: 10.1097/MBP.0000000000000302.

Microlife	WatchBP Office	Clinic	Independent

Features:

Bluetooth, 3 function modes allowing simultaneous measurement in both arms.

References:

Stergiou GS, Tzamournanis D, Protogerou A, Nasothimiou E & Kapralos C. Validation of the Microlife WatchBP Office professional device for office blood pressure measurement according to the International Protocol. Blood Pressure Monitoring 2008, 13:299-303.

Manufacturer	Model	Type	Validated by
All Manufacturers	Search Model	All	All

Unknown Price

Microlife	WatchBP Office ABI	Clinic	Independent

Notes:

Validated for upper arm use only. NB AF detection does not mean that this device has been validated for use in patients wit AF

References:

Saladini F, Benetti E, Masiero S & Palatini P. Accuracy of Microlife WatchBP Office ABI monitor assessed according to the 200 European Society of Hypertension protocol and the British Hypertension Society protocol. Blood Pressure Monitoring 2011, 16:258-261

Microlife	B3AFIB	Upper Arm	Independent

References:

Beime, Beate; Bramlage, Carsten; Krüger, Ralf; Deutsch, Cornelia; van Mark, Gesine; Bramlage, Peter; Botta, Beate
Validation of the Microlife BP B3 AFIB upper arm blood pressure monitor in adults and adolescents according to the ANSI/AAMI/ISO 81060-2:2019 protocol
Blood Pressure Monitoring: August 2021 - Volume 26 - Issue 4 - p 299-304
doi: 10.1097/MBP.0000000000000530

PAR Medizintechnik	Physio Port (Derivative of Tonoport VI)	ABPM	Independent

References:

Abou-Dakn M, Dohmen C and Wenzel S. Validation of the Tonoport VI ambulatory blood pressure monitor in adults according to the European Society of Hypertension International Protocol revision 2010. Journal of Human Hypertension (2016), 1-4

PAR Medizintechnik	Tonoport VI	ABPM	Independent

References:

Abou-Dakn M, Dohmen C and Wenzel S. Validation of the Tonoport VI ambulatory blood pressure monitor in adults according to the European Society of Hypertension International Protocol revision 2010. Journal of Human Hypertension (2016), 1-4

Riester	ri-cardio (Derivative of SunTech Medical Oscar 2)	ABPM	Independent

References:

Goodwin J, Bilous M, Winship S, Finn P & Jones SC. Validation of the Oscar 2 oscillometric 24-h ambulatory blood pressure monitor according to the British Hypertension Society protocol. Blood pressure Monitoring 2007, 12:113-117.
Jones SC, Bilous M, Winship S, Finn P & Goodwin J. Validation of the Oscar 2 oscillometric 24-hour ambulatory blood pressur monitor according to the International Protocol for the validation of blood pressure measuring devices. Blood Pressure Monitoring 2004,9(4) :219-223

Riester	ri-medic (Derivative of SunTech 247)	Vital Signs Monitor	Independent

Manufacturer	Model	Type	Validated by

References:

Friz HP, Facchetti R Primitz L, Beltrame L, Glbiati V, Bicioppo A, Bombelli M & Sega R. Simultaneous validation of the SunTec 247 diagnostic station blood pressure measurement device according to the British Hypetension Society protocol, the International Protocol and the Association of Medical Instrumentation standards. Blood Pressure Monitoring 2009, 14:222-227

Riester	RBP-100 (Derivative of Microlife WatchBP Office ABI)	Clinic	Independent

Notes:

Validated for upper arm use only. NB AF detection does not mean that this device has been validated for use in patients wit AF

References:

Saladini F, Benetti E, Masiero S & Palatini P. Accuracy of Microlife WatchBP Office ABI monitor assessed according to the 200 European Society of Hypertension protocol and the British Hypertension Society protocol. Blood Pressure Monitoring 2011, 16:258-261

Spacelabs	90227 OnTrak	ABPM	Independent

Notes:

Approved in adults only via BHS Protocol.
Not Approved: ESH IP2 Protocol violation re BP distribution. AAMI Protocol violation re subject inclusion.

References:

de Greef A and Shennan A. Validation of the Spacelabs 90227 OnTrak device according to the European and British Hypertension Societies as well as the American protocols. Blood Pressure Monitoring. 2020, 25:110–114

Spengler	Pro M	Upper Arm	Independent

References:

de Greef A, Ahmed N, Sheppard E & Shennan A. A self-measurement device suitable for hospital use: validation of the Spengler Pro M according to the International Protocol of the European society of Hypertension. Blood Pressure Monitoring 2008, 13:183-186

Suntech	Oscar 2	ABPM	Independent

Features:

2 x AA Alkaline or NiMH rechargeable

References:

Goodwin J, Bilous M, Winship S, Fin P & Jones SC, Calidtion of the Oscar 2 oscillometric 24-h ambulatory blood pressure monitor according to the British Hypertension Society Protocol. Blood Pressure Monitoring, 2007, 12:113-117. Jones SC, Bilo M, WinshipS, Finn P & Goodwin J. Validation of the OSCAR 2 oscillometric 24-hour ambulatory blood pressure monitor according to the International Protocol for the validation of blood pressure monitoring devices in adults. Blood Pressure Monitoring 2004, 9(4):219-225.

Welch Allyn	ProBP 3400	Upper Arm	Independent

Features:

Mains Powered

References:

Alpert B. Validation of the Welch Allyn ProBP 3400: a device for modern medical practice. Blood Pressure Monitoring 2011, 16:156-158

Welch Allyn	ABPM-7100 (Derivative of Mobil-O-Graph NG 24/48H ABPM)	ABPM	Independent

Manufacturer	Model	Type	Validated by

References:

Weiss W, Tolle M, Zidek W & van der Giet M. Validation of the Mobil-O-Graph 24 h-blood pressure measurement device. Blood Pressure Monitoring 2010, 15:225-228

Welch Allyn	ProBP 2400 (Derivative of Microlife WatchBP Office ABI)	Clinic	Independent

Notes:

Validated for upper arm use only

References:

Saladini F, Benetti E, Masiero S and Palatini P. Accuracy of Microlife WatchBP Office ABI monitor assessed according to the 2002 European Society of Hypertension protocol and the British Hypertension Society protocol. Blood Pressure Monitoring 2011, 16:258-261

Welch Allyn	ProBP 2400 (Derivative of Microlife WatchBP Office ABI)	Obese Adults	Independent

Notes:

Validated for upper arm use only

References:

Masiero S, Saladini F, Benetti E, and Palatini P. Accuracy of the Microlife large-extra large-sized cuff (32-52cm) coupled to an automatic oscillometric device. Blood Pressure Monitoring 2011, 16:99-102

Withings	BPM Connect Pro (Derivative of BPM Connect WPM05)	Clinic	Independent

References:

Zelveian P, Topouchian J, Hakobyan Z, Asmar J, Gharibyan H, Asmar R
Clinical Accuracy of the Withings BPM Connect for Self-Blood Pressure Measurements in Pregnancy and Pre-Eclampsia: Validation According to the Association for the Advancement of Medical Instrumentation/European Society of Hypertension/International
Organization for Standardization Universal Standard
Vascular Health and Risk Management, 2022, 18, 181–189

YuWell	YE900	Clinic	Independent

Notes:

Also validated for paediatric use in a clinical setting

References:

Hui-Jie Zhang, Juan Zhang, Su-Lan Wang, Jin Zhang, Li-Ni Teng, Shu-Juan Zhang, De-Jun Zhou and Ming-Zhi Long.
Validation of the YuWell YE900 oscillometric blood pressure monitor for professional office use in adults and children according to the AAMI/ESH/ISO Universal Standard (ISO 81060-2:2018)
Blood Pressure Monitoring 2021, 26:396–399