

Validación de aparatos para la medida de la presión arterial ¹

Aparato	Modo ²	AAMI ^{3, 4}	BHS ^{5, 6}	IP ⁷	Circunstancias	Recomendación ⁸	Referencia
Aparatos para uso clínico							
Datascope Accutorr Plus	O	Sí	A/A		En reposo	Recomendado	
CAS 9010	O	Sí			Reposo (adultos)	Recomendado	
		Sí			Neonatos	Recomendado	
Tensionic EPS 112	O	Sí	B/A		Sólo abstract	Cuestionable	
Collin Pilot 9200	T	Sí			Reposo. Intra-arterial	Cuestionable	
Dinamap 8100	O	No	B/D		Reposo	No recomendado	

¹ Revisado y traducido por **Eduardo Mayoral Sánchez. Grupo de Hipertensión de la Sociedad Andaluza de Medicina Familiar y Comunitaria.**
Actualizado al 1-enero-2005

² **Modos:** O: Oscilométrico, A: Auscultatorio, T: Tonometría

³ American National Standard for Electronic or Automated Sphygmomanometers. ANSI/AAMI SP10-1987. Association for the Advancement of Medical Instrumentation. 3330 Washington Boulevard, Suite 400, Arlington, VA 22201-4598. USA.1987.

⁴ American National Standard. Electronic or automated sphygmomanometers. ANSI/AAMI SP 10-1992. Association for the Advancement of Medical Instrumentation. 3330 Washington Boulevard, Suite 400, Arlington, VA 22201-4598. 1993.

⁵ O'Brien E, Petrie J, Littler W, de Swiet M, Padfield PL, O'Malley K, Jamieson M, Altman D, Bland M, Atkins N. The British Hypertension Society Protocol for the evaluation of automated and semi-automated blood pressure measuring devices with special reference to ambulatory systems. *J Hypertens* 1990; **8**: 607-619.

⁶ O'Brien E, Petrie J, Littler WA, de Swiet M, Padfield PL, Altman D, Bland M, Coats A, Atkins N. The British Hypertension Society Protocol for the evaluation of blood pressure measuring devices. *J Hypertens* 1993; **11** (suppl 2): S43-S63.

⁷ O'Brien E, Pickering T, Asmar R, Myers M, Parati G, Staessen J, Mengden T, Imai Y, Waeber B, Palatini P with the statistical assistance of Atkins N and Gerin W *on behalf of the Working Group on Blood Pressure Monitoring of the European Society of Hypertension.* International protocol for validation of blood pressure measuring devices in adults. *Blood Press Monit* 2002; **7**: 3-17

⁸ Para asignar a cada aparato un grado de recomendación, se han utilizado los siguientes criterios:

- **Recomendado:** Alcanza un grado B ó A, tanto para la PAS como para la PAD según el protocolo de la BHS, y/o cumple los criterios del Protocolo Internacional para la PAS y la PAD.
- **No recomendado:** No cumple los criterios de exactitud y precisión referidos anteriormente
- **Cuestionable:** No existen datos suficientes que permitan hacer una recomendación clara sobre su validez, o no se han seguido las recomendaciones de los protocolos de validación, o bien sólo cumple los criterios de la AAMI.

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Aparatos para automedida en el brazo							
A&D UA-631 (UA-779 Life Source)	O			Sí	En reposo. Violación del protocolo.	Recomendado	Longo D, Bertolo O, Toffanin G, Frezza P, Palatini P. Validation of the A & D UA-631 (UA-779 Life Source) device for self-measurement of blood pressure and relationship between its performance and large artery compliance. <i>Blood Press Monit</i> 2002; 7: 243-248.
A&D UA-767	O	Sí	A/A		En reposo.	Recomendado	Rogoza AN, Pavlova TS, Sergeeva MV. Validation of A & D UA-767 device for the self-measurement of blood pressure. <i>Blood Press Monit</i> 2000; 5: 227-231.
A&D UA-767 Plus	O		A/A		En reposo. Tablas incompletas	Recomendado	Verdeccia P, Angeli F, Poeta F, Reboldi GP, Borgioni C, Pittavini L, Porcellati C. Validation of the A&D UA774 (UA-767Plus) device for self measurement of blood pressure. <i>Blood Press Monit</i> 2004; 9: 225-229
			A/A		En reposo. Violación del protocolo.	Cuestionable	Kobalava ZD, Kotovskaia IV, Rusakova OS, Babaeva LA. Validation of UA-767 Plus device for self measurement of blood pressure <i>Clin. Pharmacol. Ther.</i> 2003; 12 (2): 70-72
			A/A		En reposo. Violación del protocolo. Lecturas simultáneas.	Cuestionable	Kobalava ZD, Kotovskaia IV, Rusakova OS, Babaeva LA. Validation of UA-767 Plus device for self-measurement of blood pressure <i>Am J Hypertens</i> 2004; 17(No. 5, Part 2): 52A (Abstract P-45)
A&D UA-774	O		A/A		En reposo. Tablas incompletas	Recomendado	Verdeccia P, Angeli F, Poeta F, Reboldi GP, Borgioni C, Pittavini L, Porcellati C. Validation of the A&D UA774 (UA-767Plus) device for self measurement of blood pressure. <i>Blood Press Monit</i> 2004; 9: 225-229
A&D UA-787	O			Sí		Recomendado	Longo D, Toffanin G, Garbelotto R, Zaetta V, Businaro L, Palatini P. Performance of the UA-787 oscillometric blood pressure monitor according to the European Society of Hypertension Protocol. <i>Blood Press Monit</i> 2003; 8: 91-95.
Braun Vital Scan Monitor	?	Sí	?		Sólo abstract	Cuestionable	Nolly H, Romero M, Nolly A, Nolly M. Home blood pressure (BP) measurement using B.P. Braun Vitalscan monitor. <i>J Hypertens</i> 2003; 18 (suppl 4): S119.
Fortec Dr MI-100	O	No	No		En reposo	No recomendado	O'Brien E, Mee F, Atkins N, O'Malley K. Inaccuracy of seven popular sphygmomanometers for home-measurement of blood pressure. <i>J Hypertens</i> 1990; 8: 621-634.
Healthcheck CX-5 060020	O	No	No		En reposo	No recomendado	O'Brien E, Mee F, Atkins N, O'Malley K. Inaccuracy of seven popular sphygmomanometers for home-measurement of blood pressure. <i>J Hypertens</i> 1990; 8: 621-634.
Microlife BP 3AC1-1	O			Sí		Recomendado	El Assad M, Topouchian J, Labaki G, Asmar R. Validation of the Microlife BP 3AC1-1 device for blood pressure measurement according to the International Validation Protocol <i>American Journal of Hypertension</i> 2003; 16: 47A
Microlife BP 3BTO-A	O		A/A		Violación del protocolo	Recomendado	Cuckson A, Reinders A, Shennan A. Validation of the Microlife BP 3BTO-A oscillometric blood pressure monitoring device according to a modified British Hypertension Society protocol. <i>Blood Press Monit.</i> 2002; 7(6): 319-324.
Nissei Analogue Monitor	A	No	No		En reposo	No recomendado	O'Brien E, Mee F, Atkins N, O'Malley K. Inaccuracy of seven popular sphygmomanometers for home-measurement of blood pressure. <i>J Hypertens</i> 1990; 8: 621-634.
Nissei DS-175	O	No	D/A		En reposo	No recomendado	O'Brien E, Mee F, Atkins N, Thomas M. Evaluation of three devices for self-

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							measurement of blood pressure: according to the revised British Hypertension Society Protocol: the Omron HEM-705CP, Phillips HP5332, and Nissei DS-175. Blood Pressure Monit 1996; 1: 55-61
NuMed Stabil-O-Graph	O		A/A		Sólo abstract	Cuestionable	Oever GHM ten, Bour J, Cortez-Campeao, van de Kerkhof HM, Wolf A. Validation of Stabil-O-Graph device for self-measurement of blood pressure monitoring according to the British Hypertension Society (BHS) standards and protocol (no se dispone de los detalles completos).
Omron HEM-400C	O	No	No		En reposo	No recomendado	O'Brien E, Mee F, Atkins N, O'Malley K. Inaccuracy of seven popular sphygmomanometers for home-measurement of blood pressure. J Hypertens 1990; 8: 621-634.
Omron HEM 403C	O	No	C/C		Violación del protocolo	No recomendado	Walma EP, van Dooren C, van der Does E, Prins A, Mulder P, Hoes AW. Accuracy of an oscillometric automatic blood pressure device: the Omron HEM403C. J Human Hypertens 1995; 9: 169-174.
Omron HEM-703CP	O	Sí			Intra-arterial	Cuestionable	Rithalia SVS, Edwards D. Comparison of oscillometric and intra-arterial blood pressure and pulse measurement. J Med Engin Tech 1994; 18: 179-181.
Omron HEM-705CP	O	Sí	B/A		En reposo	Recomendado	O'Brien E, Mee F, Atkins N. An accurate automated device for home blood pressure measurement at last! The Omron HEM-705CP. J Hypertens 1994; 12: 1317-1318
		Sí	A/A		En reposo. Faltan detalles	Recomendado	Artigao LM, Llavador JJ, Puras A, Lopez Abril J, Rubio MM, Torres C, Vidal A, Sanchis C, Divison JA, Naharro F, Caldevilla D, Fuentes G. Evaluation and validation of Omron Hem 705 CP and Hem 706/711 monitors for self-measurement of blood pressure. Aten Primaria 2000; 25(3):166-171.
			B/B		Sólo abstract. Niños y adolescentes.	Cuestionable	Furusawa EA, Ruiz MFO, Saito MI, Koch VH Evaluation of the Omron 705-CP blood pressure monitor for use in children and adolescents <i>J Hypertens</i> 2004; 22 (suppl 1): S140 (Abstract P510)
Omron HEM 706	O	Sí	B/C		En reposo	No recomendado	Foster C, McKinlay JM, Cruickshank JM, Coats AJS. Accuracy of the Omron HEM 706 portable monitor for home measurement of blood pressure. J Human Hypertens 1994; 8: 661-664.
Omron 706/711	O	Sí	B/A		En reposo. Faltan detalles	Recomendado	Artigao LM, Llavador JJ, Puras A, Lopez Abril J, Rubio MM, Torres C, Vidal A, Sanchis C, Divison JA, Naharro F, Caldevilla D, Fuentes G. Evaluation and validation of Omron Hem 705 CP and Hem 706/711 monitors for self-measurement of blood pressure. Aten Primaria 2000; 25(3):166-171.
Omron HEM-713C	O	Sí	B/B		En reposo	Recomendado	Mufunda J, Sparks B, Chifomba J, Dakwa C, Matenga JA, Adams JA, et al. Comparison of the Omron HEM-713C automated blood pressure monitor with a standard auscultatory method using a mercury manometer. Central Afr J Med 1996; 42: 230-232
Omron HEM-722C	O		A/A		Violación del protocolo	Cuestionable	Córdoba R, Fuertes MI, Alvarez A, Molina L, Solans R, Melero I. Validation of a self-monitoring blood pressure monitor: The Omron-HM 722C. Aten Primaria 1997; 20: 247-250
		Sí	A/A		En reposo. Ancianos	Recomendado	Bortolotto LA, Henry O, Hanon O, Sikias P, Mourad J-J, Girerd X. Validation of two devices for self-measurement of blood pressure by elderly patients according to the revised British Hypertension Society protocol: the Omron HEM-722C and HEM-735C. Blood Press Monit 1999; 4: 21-25
Omron HEM-735C	O	Sí	B/A		En reposo. Ancianos	Recomendado	Bortolotto LA, Henry O, Hanon O, Sikias P, Mourad J-J, Girerd X. Validation of two devices for self-measurement of blood pressure by elderly patients according to the revised British Hypertension Society protocol: the Omron HEM-722C and HEM-735C.

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							Blood Press Monit 1999; 4: 21-25
Omron HEM-737 Intellisense	O	Sí	B/B		En reposo	Recomendado	Anwar YA, Giacco S, McCabe EJ, Tendler BE, White WB. Evaluation of the efficacy of the Omron HEM-737 Intellisense device for use on adults according to the recommendations of the Association for the Advancement of Medical Instrumentation. Blood Press Monit 1998; 3: 261-26
Omron M4	O	Sí	A/A		Sólo abstract. Faltan detalles	Cuestionable	Artigao M, Llavador J, Rubio M, Torres C, Lopez J, Sanchis C, Vidal A, Puras A. Evaluation of two devices for self-measurement of blood pressure according to the British Hypertension Society protocol: The Omron M4 and MX2. Am J Hypertens 1998; 16: S276
			C/D		Violación del protocolo	Cuestionable	Naschitz JE, Loewenstein L, Lewis R, Keren D, Gaitini L, Tamir A, Yeshurun D. Accuracy of the OMRON M4 automatic blood pressure measuring device. J Hum Hypertens 2000; 14: 423-427.
Omron MX2	O	Sí	A/A		Sólo abstract. Faltan detalles	Cuestionable	Artigao M, Llavador J, Rubio M, Torres C, Lopez J, Sanchis C, Vidal A, Puras A. Evaluation of two devices for self-measurement of blood pressure according to the British Hypertension Society protocol: The Omron M4 and MX2. Am J Hypertens 1998; 16: S276
Omron M5-I	O			Sí		Recomendado	El Assad M, Topouchian J, Asmar R. Evaluation of two devices for self-measurement of blood pressure according to the international protocol: the Omron M5-I and the Omron 705IT Blood Press Monit 2003; 8(3): 127-133
Omron 705IT	O			Sí		Recomendado	– El Assad M, Topouchian J, Asmar R. Evaluation of two devices for self-measurement of blood pressure according to the international protocol: the Omron M5-I and the Omron 705IT Blood Press Monit 2003; 8(3): 127-133 – El Assad M, Topouchian J, Labaki G, Asmar R. Validation of the Omron 705 IT device for blood pressure measurement according to the international validation protocol. American Journal of Hypertension 2003; 16: 47A
Philips HP5308	A	No	No		En reposo	No recomendado	O'Brien E, Mee F, Atkins N, O'Malley K. Inaccuracy of seven popular sphygmomanometers for home-measurement of blood pressure. J Hypertens 1990; 8: 621-634.
Philips HP5306/B	O	No	No		En reposo	No recomendado	O'Brien E, Mee F, Atkins N, O'Malley K. Inaccuracy of seven popular sphygmomanometers for home-measurement of blood pressure. J Hypertens 1990; 8: 621-634.
Philips HP5332	O	No	C/A		En reposo	No recomendado	O'Brien E, Mee F, Atkins N, Thomas M. Evaluation of three devices for self-measurement of blood pressure: according to the revised British Hypertension Society Protocol: the Omron HEM-705CP, Phillips HP5332, and Nissei DS-175. Blood Pressure Monit 1996; 1: 55-61
Rossmax	O			No	En reposo	No recomendado	O'Brien E, Atkins N, Murphy A, Lyons S. Validation of the Rossmax blood pressure measuring monitor according to the European Society of Hypertension International Protocol for validation of blood pressure measuring devices in adults <i>Blood Press Monit</i> 2003; 8: 261-265
Systema Dr MI-150	O	No	No		En reposo	No recomendado	O'Brien E, Mee F, Atkins N, O'Malley K. Inaccuracy of seven popular sphygmomanometers for home-measurement of blood pressure. J Hypertens 1990; 8: 621-634.
Visomat OZ2	O	Sí	C/B		En reposo	No recomendado	Dieterle T, Battagay E, Bucheli B, Martina B. Accuracy and 'range of uncertainty' of oscillometric blood pressure monitors around the upper arm and wrist. Blood Press Monit

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Welch-Allyn transtelephonic home monitor	O	Sí	?		Enfermedad de Parkinson	Cuestionable	1998; 3: 339-346 Herbst T, Anis-Anwar Y, Giacco S, White W. Evaluation of the overall system precision of the Welch-Allyn transtelephonic home blood pressure monitor in adults with Parkinson's disease <i>Blood Press Monit</i> 2002; 7: 285-288.
Aparatos para automedida en la muñeca							
Boso-Mediwatch			C/C		En reposo. Violación del protocolo	No recomendado	Rogers P, Burke V, Stroud P, Puddey IB. Comparison of oscillometric blood pressure measurements at the wrist with an upper-arm auscultatory mercury sphygmomanometer. <i>Clin & Exper Pharmacol & Pharmacol</i> 1999; 26: 477-481.
Braun PrecisionSensor BP2000		Sí			En reposo	Cuestionable	Wessig K, Hollinger S, Schmalzhaf I, Lenz T. Clinical evaluation of the efficacy of the Braun PrecisionSensor oscillometric wrist blood pressure monitor for use on adults versus auscultation as defined by ANSI/AAMI SP 10-1992. <i>Blood Pres Monit</i> 2000; 5: 239-245.
Braun PrecisionSensor BP2550		Sí	B/B		Violación del protocolo	Cuestionable	Nolly H, Osso A, Romero M, Nolly M. The reproducibility of home- self measurements using the Braun PrecisionSensor BP 2550 Monitor. <i>J Hypertens</i> 2001; 19 (suppl 2): S26.
			¿ B/B		Sólo abstract	Cuestionable	Sandevik E, Dyrdal A. Evaluation of the Braun BP2550 PrecisionSensor wrist blood pressure monitor in clinical practice (No se dispone de los detalles completos)
Braun PrecisionSensor BP2550 (Upgrade)				Sí	En reposo	Recomendado	Nolly H, Romero M, Nolly A, Osso P, Reinoso O, Nolly M. Home blood pressure measurement: validation of the Braun BP 2550 (UG) monitor according to the ESH International Protocol <i>Blood Press Monit</i> 2004; 9: 53-58
Braun VitalScan		Sí	¿?		Sólo abstract	Cuestionable	Nolly H, Romero M, Nolly A, Nolly M. Home blood pressure (BP) measurement using B.P. Braun Vitalscan monitor. <i>J Hypertens</i> 2004; 18 (suppl 4): S119 (Abstract)
Braun VitalScan Plus 1650				Sí	Sólo abstract	Cuestionable	- Nolly HL, Romero MA, Reinoso OR, Nolly AH. Self-blood pressure monitoring: Validation of the Braun Vitalscan Plus 1650 BP monitor. <i>Am J Hypertens</i> 2004; 17 (No. 5, Part 2): 52A (Abstract P-55) - Nolly H, Reinoso O, Romero M, Nolly A. Usefulness of Braun Vitalscan Plus in home blood pressure monitoring. <i>J Hypertens</i> 2004; 22 (suppl 2): S160 (Abstract P2.19)
Nissei WS-310		Sí			Sólo abstract. Violación del protocolo	Cuestionable	Altunkan S, Yildiz S, Azer S. Wrist blood pressure measuring devices: a comparative study of the accuracy with a standard auscultatory method using a mercury sphygmomanometer. <i>Blood Press Monit.</i> 2002 ; 7(5): 281-284. (Abstract)
Omron HEM-637IT		Sí	B/A	¿?	Abstract. Informe incorrecto	Cuestionable	Altunkan S, Iliman N, Altunkan E Accuracy of the new wrist blood pressure monitor (Omron 637 IT), for blood pressure measurement <i>J Hypertens</i> 2003 (no se dispone de los detalles completos)
Omron R3					Intra-arterial	Cuestionable	Eckert S, Gleichmann U, Zagorski O, Klapp A. Validation of the Omron R3 blood pressure self-measuring device through simultaneous comparative invasive measurements according to protocol 58130 of the German Institute for Validation. <i>Blood Pressure Monitoring</i> 1997; 2: 189-192.
		No	D/D		En reposo	No recomendado	Dieterle T, Battegay E, Bucheli B, Martina B. Accuracy and 'range of uncertainty' of oscillometric blood pressure monitors around the upper arm and wrist. <i>Blood Pressure Monitoring</i> 1998; 3: 339-346.

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Omron RX		No	B/B		En reposo. Sólo abstract	Questionable	Shennan AH, Rushbrook J, Power J, Wright J, Poston L. An accurate oscillometric wrist blood pressure monitor: validation of the Omron Rx [HEM-608]. <i>J Human Hypertens</i> 1998; 12: 794.
		Sí			Abstract. Violación del protocolo	Questionable	Altunkan S, Yildiz S, Azer S. Wrist blood pressure measuring devices: a comparative study of the accuracy with a standard auscultatory method using a mercury sphygmomanometer. <i>Blood Press Monit.</i> 2002 ; 7(5): 281-284. (Abstract)
		No	B/B		En reposo. Violación del protocolo.	Questionable	Cuckson AC, Moran P, Seed P, Reinders A, Shennan AH. Clinical evaluation of an automated blood pressure wrist device <i>Blood Press Monit</i> 2004; 9 : 31-37
Omron RX-M		No	D/D	No	En reposo. Violación del protocolo.	No recomendado	Braam R, Asian B, Thein T. Accuracy of the Omron RX-M, an automated wrist blood pressure measuring device <i>J Hypertens</i> 2003 (no se dispone de los detalles completos)

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Aparatos para monitorización ambulatoria de la presión arterial (MAPA)							
A&D TM-2421	O	Sí	B/A		En reposo	Recomendado	Imai Y, Sasaki S, Minami N, Munakakata M, Hashimoto J, Sakuma H, Sakuma M, Watanabe N, Imai K, Sekino H, Abe K. The accuracy and performance of the A&D TM 2421, a new ambulatory blood pressure monitoring device based on the cuff-oscillometric method and the Korotkov sound technique. <i>Am J Hypertens</i> 1992; 5: 719-726.
			A/B		Niños 7-8 años, sentados	Cuestionable	O'Sullivan JJ, Derrick G, Griggs PE, Wren C. Validation of the Takeda 2421 ambulatory blood pressure monitor in children. <i>J Med Eng & Tech</i> 1998; 22: 101-105
			A/B		Niños de todas las edades, sentados	Cuestionable	O'Sullivan JJ, Derrick G, Griggs PE, Wren C. Validation of the Takeda 2421 ambulatory blood pressure monitor in children. <i>J Med Eng & Tech</i> 1998; 22: 101-105
			C/C		Niños, distintas posiciones	No Recomendado	O'Sullivan JJ, Derrick G, Griggs PE, Wren C. Validation of the Takeda 2421 ambulatory blood pressure monitor in children. <i>J Med Eng & Tech</i> 1998; 22: 101-105.
		No			En reposo	No Recomendado	Keaveney B, Bird R, Caiazza A, Casadei B, Conway J. Measurement of blood pressure using the auscultatory and oscillometric methods in the same cuff deflation: validation and field trial of the A & D TM2421 monitor. <i>J Human Hypertens</i> 2000; 14: 573-579.
	A	Sí			En reposo	Cuestionable	Keaveney B, Bird R, Caiazza A, Casadei B, Conway J. Measurement of blood pressure using the auscultatory and oscillometric methods in the same cuff deflation: validation and field trial of the A & D TM2421 monitor. <i>J Human Hypertens</i> 2000; 14: 573-579.
A&D TM-2430	O	Sí	A/A		En reposo	Recomendado	Palatini P, Frigo G, Bertolo O, Roman E, Da Corta R, Winnicki M. Validation of the A&D TM-2430 device for ambulatory blood pressure monitoring and evaluation of performance according to subjects' characteristics. <i>Blood Press Monit</i> 1998; 3: 255-260.
Accutracker II (30/23)	A	Sí	A/C		En reposo	No Recomendado	Taylor R, Chidley K, Goodwin J, Broeders M, Kirby B. Accutracker II (version 30/23) ambulatory blood pressure monitor: clinical validation using the British Hypertension Society and Association for the Advancement of Medical Instrumentation standards. <i>J Hypertens</i> 1993; 11: 1275-1282.
BpLab	O			Sí	En reposo	Cuestionable	Rogoza AN. Accuracy of blood pressure estimation by automated monitors. <i>Functional diagnostics</i> 2003; 1: 56-64. (En ruso)
CH-DRUCK	A	Sí	A/A		En reposo	Recomendado	O'Brien E, Mee F, Atkins N, O'Malley K. Accuracy of the CH- Druck/Pressure ERKA ambulatory blood pressure measuring system determined by the British Hypertension Society protocol. <i>J Hypertens</i> 1993; 11 (suppl 2): S1-S7
Daypress 500	O	Sí	A/B		En reposo	Recomendado	Livi R, Teghini L, Cagnoni S, Scarpelli PT. Simultaneous and Sequential Same-Arm Measurements in the Validation Studies of Automated Blood Pressure Measuring Devices. <i>Am J Hypertens</i> 1996; 9: 1228-1231
Del Mar Pressurometer IV	A	No	C/D		En reposo	No Recomendado	O'Brien E, Mee F, Atkins N, O'Malley K. Short Report: Accuracy of the Del Mar Avionics Pressurometer IV determined by the British Hypertension Society Protocol. <i>J Hypertens</i> 1991; 9: 567-568.
DIASYS Integra	A	Sí	B/A		En reposo	Recomendado	Gosse P, Laforge A, Ansoborto P, Julien P, Lemetayer P, Clementy J. Clinical evaluation of the DIASYS integra blood pressure recorder. <i>J Hypertens</i> 1997; 15: S18. (Abstract)
	O	Sí	B/B		En reposo	Recomendado	
DIASYS 200	A	Sí	C/C		En reposo	No Recomendado	O'Brien E, Mee F, Atkins N, O'Malley K. Accuracy of the Novacor DIASYS 200 determined by the British Hypertension Society Protocol. <i>J Hypertens</i> 1991; 9 (suppl 5): S9-S15.

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Diestronic Profilomat	A	Sí	B/A		En reposo	Recomendado	O'Brien E, Mee F, Atkins N, O'Malley K. Accuracy of the Profilomat ambulatory blood pressure measuring system determined by the British Hypertension Society Protocol. <i>J Hypertens</i> 1993; 11 (suppl 22): S9-S15
		Sí	B/C		En gestación	No Recomendado	Franx A, van der Post JAM, van Montfrans GA, Bruinse HW. Comparison of an auscultatory versus an oscillometric ambulatory blood pressure monitor in normotensive, hypertensive and preeclamptic pregnancy. <i>Hypertension in pregnancy</i> 1997; 16: 187-202
Diestronic Profilomat II	O	No	C/B		En reposo	No Recomendado	Mee F, Atkins N, O'Brien E. Evaluation of the Profilomat II ambulatory blood pressure system according to the protocols of the British Hypertension Society and the Association for the Advancement of Medical Instrumentation. <i>Blood Press Monit.</i> 1999; 3: 353-361.
ES-H531	A	Sí	A/A		En reposo	Recomendado	Kuwayima I, Nishinaga M, Kanamaru A. The Accuracy and Clinical Performance of a New Compact Ambulatory Blood Pressure Monitoring Device, the ES-H531. <i>Am J Hypertens</i> 1998; 11: 1328-1333.
	O	Sí	B/B		En reposo	Recomendado	
Medilog ABP	A	Sí			En reposo	Cuestionable	Manning G, Vijan SG, Millar-Craig MW. Technical and clinical evaluation of the Medilog ABP non-invasive blood pressure monitor. <i>J Ambul Monnit</i> 1994; 7: 255-264.
Meditech ABPM-04	O	Sí	B/B		En reposo	Recomendado	Barna I, Keszei A, Dunai A. Evaluation of Meditech ABPM-04 ambulatory blood pressure measuring device according to the British Hypertension Society protocol. <i>Blood Press Monit.</i> 1998; 3: 363-368.
Nissei DS-240	O	Sí	B/A		Sólo abstract. Detalles perdidos	Cuestionable	Mee F, Atkins N, O'Brien E. Validation of the Nissei DS-240 ambulatory blood pressure measuring system as determined by the British Hypertension Society protocol. <i>J Human Hypertens</i> 1994; 8:295.
Nissei DS-250	O			Sí	Sólo abstract. Informe incorrecto	Cuestionable	Altunkan S, Iliman N, Altunkan E. Validation of the Nissei DS-250 ambulatory blood pressure monitoring device according to the International Protocol <i>J Hypertens</i> 2003 (no se dispone de los detalles completos)
	A			Sí			
NuMed Mobil O Graph (version 12)	O	Sí	B/A		En reposo	Recomendado	Jones CR, Taylor K, Chowienczyk P, Poston L, Shennan A. A validation of the Mobil O Graph (version 12) ambulatory blood pressure monitor. <i>Blood Press Monit</i> 2000; 5: 233-238.
OSCILL-IT	O	Sí	C/B		En reposo	No Recomendado	Germanó G, Muscolo M, Angotti S, Bravo S, Codispoti P, Federico L, Damiani S. Evaluation of a New Ambulatory Blood Pressure Device. <i>Am J Hypertens</i> 1998; 11: 1486-1491.
Save 33, Model 2	O	Sí	B/B		En reposo	Recomendado	De Gaudemaris R, White A, Pascal I, Siche J-P, Baguet J-P, Mallion J-M. Évaluation du moniteur de pression artérielle en ambulatoire Save 33 modèle2. <i>Arch Mal Coeur</i> 1999; 92: 1133-1137.
Schiller BR-102	A	Sí	B/B		En reposo	Recomendado	Mee F, Atkins N, O'Brien E. Evaluation of the Schiller BR-102 ambulatory blood pressure system according to the protocols of the British Hypertension Society and the Association for the Advancement of Medical Instrumentation. <i>Blood Press Monit</i> 1999; 4: 35-43.
	O	No	D/B		En reposo	No Recomendado	Mee F, Atkins N, O'Brien E. Evaluation of the Schiller BR-102 ambulatory blood pressure system according to the protocols of the British Hypertension Society and the Association for the Advancement of Medical Instrumentation. <i>Blood Press Monit</i> 1999; 4:35-43.
Seinex SE-25M	O	Sí	A/B		Violaciones en análisis. Informe incorrecto	Cuestionable	Tannahill G, Gilmore C, Silke B. Validation of the upper arm algorithm for blood pressure determination incorporated in the Seinex digital devices using the AAMI and British Hypertension Society protocols. <i>Northern Ireland Medicine Today</i> 2002; 33: 26-27.

Validación de aparatos para la medida de la presión arterial ¹

Aparato	Modo ²	AAMI ^{3, 4}	BHS ^{5, 6}	IP ⁷	Circunstancias	Recomendación ⁸	Referencia
Spacelabs 90202	O	Sí	B/B		En reposo	Recomendado	O'Brien E, Atkins N, Mee F, O'Malley K. Evaluation of the Spacelabs 90202 according to the AAMI standard and BHS criteria. <i>J Human Hypertens</i> 1991; 5: 223-226.
Spacelabs 90207	O	Sí	B/B		En reposo	Recomendado	- O'Brien E, Mee F, Atkins N, O'Malley K. Accuracy of the Spacelabs 90207 determined by to the British Hypertension Society Protocol. <i>J Hypertens</i> 1991; 9 (suppl 5): S25-S31. - Mayoral Sánchez E, Díez Naz A, Lapetra Peralta J, Santos Lozano JM, García de la Corte F, Rodríguez-Morcillo Guardia A. Validación del sistema de monitorización ambulatoria de presión arterial modelo SpaceLabs 90207. <i>Med Clin</i> 1994; 103: 326-330
							Sí
		Sí	A/B		Ancianos (de pie y sentados). PA < 160 mmHg	Recomendado	Iqbal P, Fotherby MD, Potter JF. Validation of the Spacelabs 90207 automatic non-invasive blood pressure monitor in elderly subjects. <i>Blood Press Monit</i> 1996; 1: 367-373.
		Sí	A/C		Gestación	No Recomendado	O'Brien E, Mee F, Atkins N, Halligan A, O'Malley K. Accuracy of the Spacelabs 90207 ambulatory blood pressure measuring system in normotensive pregnant women determined by the British Hypertension Society Protocol. <i>J Hypertens</i> 1993; 11 (suppl 5): S282-S283.
		Sí	B/C		Gestación	No Recomendado	Franx A, van der Post JAM, van Montfrans GA, Bruinse HW. Comparison of an auscultatory versus an oscillometric ambulatory blood pressure monitor in normotensive, hypertensive and preeclamptic pregnancy. <i>Hypertension in pregnancy</i> 1997; 16: 187-202.
		No	D/D		Pre-eclampsia	No Recomendado	Natarajan P, Shennan AH, Penny J, Halligan AW, de Swiet M, Anthony J. Comparison of auscultatory and oscillometric automated blood pressure monitors in the setting of preeclampsia. <i>Am J Obstet Gynecol</i> 1999; 181: 1203-1210.
		Sí	C/C		Pre-eclampsia	No Recomendado	Shennan A, Haligan A, Gupta M, Taylor D, de Swiet M. Oscillometric blood pressure measurements in severe preeclampsia: validation of the Spacelabs 90207. <i>Br J obstet & Gynaecol</i> 1996; 103: 171-173.
		Sí/ No	C/D		Niños	No Recomendado	Belsha CW, Wells TG, Rice HB, Neaville WA, Berry PL. Accuracy of the Spacelabs 90207 ambulatory blood pressure monitor in children and adolescents. <i>Blood Press Monit</i> 1996; 1: 127-133.
		Sí	A/D		Ancianos, supino	No Recomendado	Iqbal P, Fotherby MD, Potter JF. Validation of the Spacelabs 90207 automatic non-invasive blood pressure monitor in elderly subjects. <i>Blood Press Monit</i> 1996; 1: 367-373.
		Sí	C/B		Hemodiálisis	No Recomendado	Peixoto AJ, Gray TA, Crowley ST. Validation of the Spacelabs 90207 ambulatory blood pressure device for hemodialysis patients. <i>Blood Press Monit</i> 1999; 4: 217-221
Spacelabs 90217	O	Sí	A/A		En reposo	Recomendado	Baumgart P, Kamp J. Accuracy of the Spacelabs Medical 90217 ambulatory blood pressure monitor. <i>Blood Press Monit</i> 1998; 3: 303-307.
Suntech Medical OSCAR 2	O			Sí	En reposo	Recomendado	Jones, SC, Bilous M, Winship S, 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 measuring devices. <i>Blood Press Monit</i> 2004; 9: 219-223
TM-2420 Model 6	O	Sí	B/B		En reposo	Recomendado	White WB, Pickering TG, Morganroth J, James GD, McCabe EJ, Moucha O, Hunter H. A multicenter evaluation of the A&D TM-2420 ambulatory blood pressure recorder. <i>Am J Hypertens</i> 1991; 4: 890-896

Validación de aparatos para la medida de la presión arterial ¹

Aparato	Modo ²	AAMI ^{3, 4}	BHS ^{5, 6}	IP ⁷	Circunstancias	Recomendación ⁸	Referencia
TM-2420 Model 7	O	Sí	B/B		En reposo	Recomendado	Palatini P, Penzo M, Canali C, Pessina AC. Validation of the accuracy of the A&D TM2420 Model 7 for ambulatory blood pressure monitoring and effect of microphone replacement on its performance. <i>J Ambul Monitor</i> 1991; 4: 281-288.
TM-2420/TM-2020	O	No	D/D		En reposo	No Recomendado	O'Brien E, Mee F, Atkins N, O'Malley K. Short Report: Accuracy of the Takeda TM-2420/TM-2020 determined by the British Hypertension Society Protocol. <i>J Hypertens</i> 1991; 9: 571-572.
Tensioday	O	Sí	A/A		En reposo	Recomendado	Nemeth Z, Moczar K, Deak G. Evaluation of the Tensioday ambulatory blood pressure monitor according to the the protocols of the British Hypertension society and the Association for the Advancement of Medical Instrumentation. <i>Blood Press Monit</i> 2002; 7: 191-197.
Tycos QuietTrak	A	Sí	B/B		En reposo	Recomendado	White WB, Susser W, James G, Marra L, McCabe EJ, Pickering TG, Streeten DHP. Multicentre assessment of the Quiet Trak ambulatory blood pressure recorder according to the 1992 AAMI guidelines. <i>Am J Hypertens</i> 1994; 7: 509-14.
			A/A		En reposo	Recomendado	
			A/A		Durante el ejercicio	Recomendado	
			A/A		Distintas posturas	Recomendado	
			A/A		Ancianos	Recomendado	
			A/A		Niños	Recomendado	
			A/A		Gestación	Recomendado	Modesti PA, Costoli A, Cecioni I, Toccafondi S, Carnemolla A, Sernerì GGN. Clinical evaluation of the QuietTrak blood pressure recorder according to the protocol of the British Hypertension Society. <i>Blood Press Monit</i> 1996; 1: 63-68.
		Sí	B/B		En reposo. Abstract	Cuestionable	
		No	D/D		Pre-eclampsia	No Recomendado	Natarajan P, Shennan AH, Penny J, Halligan AW, de Swiet M, Anthony J. Comparison of auscultatory and oscillometric automated blood pressure monitors in the setting of preeclampsia. <i>Am J Obstet Gynecol</i> 1999; 181: 1203-1210.
		No	B/B		Gestación	No Recomendado	Penny JA, Shennan AH, Rushbrook J, Halligan A, Taylor DJ, de Swiet M. Validation of the Welch Allyn QuietTrak ambulatory blood pressure monitor in pregnancy. <i>Hypertension in Preganacy</i> 1996; 15: 313-321.