



## Medaval rating of Blood Pressure Monitors recommended by the *European Society of Hypertension*

Monitors are listed according to clinical validation.

Medaval certification is awarded only to devices with the most accurate measurement technology. For accreditation, proof of validation and adherence to international standards is scrutinised by Medaval with independent peer-review.

Devices without evidence of validation include those without either a published paper proving validation or evidence of possible MDR equivalence to a validated device. Medaval will update devices where scientific proof of validation or MDR equivalence is provided.

**Warning:** Wrist monitor accuracy requires strict adherence to manufacturer instructions. If the monitor is not positioned correctly, the results can be very inaccurate.

Symbols: Adults Children Pregnancy Discontinued Obsolete Recalled Research Device

### ★★★★★ Certified 5-Star Blood Pressure Monitors ★★★★★

A&D UA-651	Microlife BP A200 Comfort (BP 3MS1-4A)	Visomat Double Comfort (24050) (v1)
iHealth Feel BP5	Omron M3500 NIBP Module	

### ★★★★ Certified 4-Star Blood Pressure Monitors ★★★★★

Andon KD-5851	iHealth BP3 (KD-931)	Omron HEM-7320F
Andon KD-5917	Omron BP760N (HEM-7320-Z)	Omron HEM-7500F
Andon KD-5965	Omron BP765 (HEM-7311-ZSA)	PangaO PG-800B11
Avita BPM63S	Omron HEM-7130 (JP)	PangaO PG-800B5-1
BIOS BD215 (Precision 8.0)	Omron HEM-7251G	PangaO PG-800B68
Custo Med custo screen 400	Omron HEM-7252G-HP	Rossmax CF175f (V1)

### ★★★ 3-Star Blood Pressure Monitors ★★★

Grandway MD2301	Microlife WatchBP Office (Twin200)	Nissei DM-3000
Grandway MD2680 (G.LAB)	Microlife WatchBP Office ABI (Twin200 ABI)	Omron HEM-9210T (HEM-9210T-E)

### ★★ 2-Star Blood Pressure Monitors ★★

A&D UA-1020	Omron HBP-1300 (HBP-1300-E)	PolyGreen KP-7670
Andon KD-5031	Omron HEM-7420	RisingSun RS-651
Andon KD-595	Omron M400 (HEM-7131-D)	Suntech Centron cBP 301
Bpump BF1112	Omron M500 (HEM-7321-D)	Transtek LS808-B
ERKA. Erkameter 125 PRO	Omron M6 Comfort (HEM-7221-E)	Transtek TMB-1491
Hartmann Tensoval Duo Control II	PAR Tonoport VI	Withings BP-800
Konsung QD-217A	Petr Telegin BpLab	



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### ★ 1-Star Blood Pressure Monitors ★

A&D TM-2430 (A) (C)	Microlife BP 3BT0-A (A) (P) (D)	Omron M300 (HEM-7121-D)
A&D TM-2656	Microlife BP A100 (Type A) (A) (P) (D)	Omron M5-I (HEM-757-E)
A&D UM-101	Microlife BP A100 Plus (BP 3MC1-1N) (A) (P)	Omron M6 (HEM-7001-E) (A) (C) (D)
Accoson Greenlight 300 (AC0702A)	Microlife WatchBP Home (BP 3MX1-1) (A) (P)	Omron M6 (HEM-7211-E) (A) (C) (D)
BpTru BPM-100 (A) (C) (D)	Microlife WatchBP O3 (BP 3MZ1-1) (D)	Omron M7 (HEM-780-E) (A) (P) (D)
CasMed 9010 (C) (D)	Microlife WatchBP Office Central (Twin200 CBP)	Omron MIT (HEM-751-E) (A) (P) (D)
Datascope Accutorr Plus (A) (C)	Nihon-Kohden Vismo PVM-2701 (C)	Omron MX3 Plus (HEM-742-E) (A) (C) (D)
Fukuda Denshi DS-7000 (C)	Nissei DS-400 (A) (P) (D)	Panasonic EW-3106 (D)
Hartmann Tensoval Comfort	Omron 637IT (HEM-637IT-E) (D)	Rossmax Medicare 100f (D)
Hartmann Tensoval Duo Control	Omron 705IT (HEM-759-E) (A) (C) (D)	Spacelabs 90207
IEM Mobil-O-Graph NG	Omron HEM-705CP (V2)	Spacelabs 90217
IEM Tel-O-Graph BT	Omron HEM-706 (D)	Suntech Oscar 2
IEM Tel-O-Graph GSM	Omron HEM-907 (HEM-907-E7) (D)	Welch Allyn Tyco QuietTrak (C) (D)
Medisana MTP Plus (51043) (D)	Omron M3 (HEM-7200-E) (D)	
Microlife BP 3AS1-2 (BP 3AS1-2R) (A) (P) (D)	Omron M3 Intellisense (HEM-7051-E) (D)	



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Other Validated Blood Pressure Monitors		
A&D TM-2655	Colson MAM BP 3AA1-2 <b>D</b>	Omron M5 Professional (HEM-7001-D)
A&D TM-2655P (v2)	Dinamap ProCare 100 <b>D</b>	Omron M6 Comfort (HEM-7000-E) <b>A P D</b>
A&D UA-631	Ela Agilis	Omron MIT Elite Plus (HEM-7301-ITKE7)
A&D UA-704	EnviteC PhysioQuant ABPM (45-00-0500)	Oregon BPU 330 <b>D</b>
A&D UA-705	Fukuda Denshi FM-800	Panasonic EW-3109 <b>D</b>
A&D UA-767	Hartmann Digital HG160 Comfort <b>D</b>	Panasonic EW-3152W <b>D</b>
A&D UA-767 Plus	Heine Gamma G5	Panasonic EW-BU15
A&D UA-774	Heine Gamma G7	PAR Tonoport V
A&D UA-779	Heine Gamma XXL LF (Desk)	Pic Solution Comfort Check <b>D</b>
A&D UA-787	Hillrom Spot Vital Signs (4200B) <b>A C D</b>	Pic Solution My Check <b>D</b>
A&D UA-851	HoMedics BPA-300 <b>D</b>	Pic Solution Personal Check <b>D</b>
A&D UA-852	HoMedics BPA-540 <b>D</b>	Pic Solution Professional Check
A&D UA-853	Honsun Scian LD-578 <b>D</b>	PMS Mandaus <b>D</b>
A&D UA-854	IEM Stabil-O-Graph <b>D</b>	Rossmax Mandaus II (GA101, GA102, GA112)
A&D UA-855	Kingyield BP-101H	Rossmax ME701 <b>D</b>
Advanced Biosensor AM5600 <b>C D</b>	Lloyds BP11 <b>D</b>	Scala DB-61M <b>D</b>
Andon KD-391	Medisana MTD <b>D</b>	Schiller BR-102 Plus (v1) <b>D</b>
Andon KD-5915	Medisana MTX (51083)	Seinex SE-9400 <b>D</b>
Artsana (Pic Solution) CS-410 <b>D</b>	Meditech ABPM-04	SensaCare SAA-102
Artsana (Pic Solution) CSI-610 <b>D</b>	Microlife BP 3AC1-1 <b>D</b>	Sorin Agilis
Beurer BM 20 <b>D</b>	Nissei DS-1902 <b>D</b>	Spengler Pro M <b>D</b>
Beurer BM 60 <b>D</b>	Omron Elite 7300W (HEM-7300-EZ) <b>D</b>	Suntech 247
Beurer DC 50 <b>D</b>	Omron HEM-1020	Tensiomed Tensioday
Beurer DC 55 <b>D</b>	Omron HEM-711	Terumo Elemanno ES-H55
BoSo Medicus Control <b>D</b>	Omron HEM-711DLX <b>D</b>	Tiba Ambulo 2400
BoSo Medicus Family	Omron HEM-742 <b>A C</b>	Transtek TMB-986
BoSo Medicus Prestige <b>D</b>	Omron HEM-907XL (HEM-907-Z2)	Visomat Comfort 20-40 (24040) (v2) <b>D</b>
BoSo Medicus Smart	Omron i-Q132 SpotArm (HEM-1010-E) <b>D</b>	Visomat Comfort Eco (v2) <b>D</b>
BoSo Medicus Uno	Omron M1 (HEM-422C2-E) <b>D</b>	Visomat Comfort Form (24035) (v1) <b>D</b>
Braun Easy Click (BP-3000) <b>D</b>	Omron M1 Plus (HEM-4011C-E) <b>D</b>	Visomat Comfort II <b>D</b>
Cardiette BP One	Omron M2 (HEM-7117-E) <b>D</b>	Welch Allyn Connex ProBP 3400 with SureBP <b>A C R</b>
Citizen CH-432B <b>D</b>	Omron M2 Compact (HEM-7102-E)	Welch Allyn Maxi Stabil 3 <b>D</b>
Citizen CH-461C <b>D</b>	Omron M3 Basic II	Welch Allyn SureBP Algorithm (Unspecified Device) <b>C R</b>
Citizen CH-463E <b>D</b>	Omron M4 Plus II	

### Blood Pressure Monitors Validated in a Specific Population

A&D UA-778 <b>C</b>	Dinamap ProCare 400 <b>P</b>	Omron HEM-7080IC <b>A C</b>
Beurer BM 44	iHealth Track (KN-550BT)	Omron M6 Comfort IT (HEM-7322U-E)
CasMed 740 <b>C</b>	Microlife BP 3AC1-1 PC <b>D</b>	Raycome RBP-1200 <b>C</b>
Custo Med custo screen Pediatric <b>C</b>	Omron HBP-1100 (HBP-1100-E) <b>A C</b>	

### Blood Pressure Monitors with an Internal or Non-Published Validation

Mindray Beneview T5	Riester Big Ben Square Desk	Riester Big Ben Square Rail
Mortara Ambulo 2400 <b>A C</b>	Riester Big Ben Square Floor	Riester Big Ben Square Wall



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### Blood Pressure Monitors with a possible MDR Equivalence to a Validated Device

A&D UA-1010	Cresta BPM-701	Meditech card(X)plora
A&D UA-1030T	Datascope Accutorr V <span>(A)(C)</span>	Medset Scanlight-III
A&D UA-611	Datascope iPM 12	Microlife As easy as 123 (BP 3BX0-A)
A&D UA-767BT	Desa Pharma Tecnico Easy	Microlife BP 3AC1-2 <span>(D)</span>
A&D UA-767PC	Dinamap Carescape V100	Microlife BP 3AG1 (BP 3AQ1-2P) <span>(A)(P)</span>
A&D UA-782	Dinamap Procure 420	Microlife BP 3BT0-A (2) <span>(A)(P)(D)</span>
Alvita CG-155F	Ergoline Ergoscan	Microlife BP 3BT0-AP <span>(P)(D)</span>
Alvita MA-801F	GE Tonoport V	Microlife BP A1 Easy (BP 3GR1-1P) <span>(A)(P)</span>
Andon BM-091	H&L Airssential AI-H971	Microlife BP A2 Basic (BP 3GQ1-3P) <span>(A)(P)</span>
Andon KD-5001	H&L HL888HC	Microlife BP A200 (BP 3MS1-4K) <span>(D)</span>
Andon KD-556	Heine Gamma XXL LF (Rail)	Microlife BP A6 PC (aka A6 Plus, A6 Basic) <span>(A)(P)</span>
Andon KD-557	Heine Gamma XXL LF (Stand)	Microlife WatchBP Home A (BP 3MX1-3)
Andon KD-558	Heine Gamma XXL LF (Wall)	Microlife WatchBP Home N (BP 3MX1-4) <span>(D)</span>
Andon KD-5901	Hillrom ABPM 7100	Microlife WatchBP Office AFib (Twin200 AFS)
Andon KD-5902	Hillrom ProBP 2400	Microlife WatchBP Office Target (BP 3MD1-4) <span>(A)(C)</span>
Andon KD-5905	HoMedics BPA-2000-EU <span>(D)</span>	Mindray iMEC-12
Andon KD-5909	HoMedics BPA-3000-EU <span>(D)</span>	Nissei DS-500 <span>(A)(P)(D)</span>
Andon KD-5913 <span>(D)</span>	HoMedics Mibody 360EU <span>(D)</span>	Omron 705CP-II (HEM-759-E2) <span>(A)(C)(D)</span>
Andon KD-5918	Honsun LD30	Omron 708-BT (HEM-7081-ITE) <span>(A)(P)(D)</span>
Andon KD-5961	Honsun Scian LD-520	Omron BP760 (HEM-7220-Z) <span>(A)(P)</span>
Andon KD-5962	Honsun Scian LD-522	Omron BP785 (HEM-7222-Z) <span>(A)(P)</span>
Andon KD-5963 <span>(D)</span>	Honsun Scian LD-526	Omron HEM Solar (HEM-4500-Sole) <span>(D)</span>
Andon KD-5971 <span>(D)</span>	Honsun Scian LD-528	Omron HEM-7051 (HEM-7051-SH)
Beurer BM 35/1	Honsun Scian LD-530	Omron HEM-7101 (HEM-7101-SH)
Beurer BM 47	Honsun Scian LD-532	Omron HEM-7250-IT
Beurer BM 58	Honsun Scian LD-533	Omron i-C10 (HEM-7070-E) <span>(A)(P)(D)</span>
Beurer BM 65 <span>(D)</span>	Honsun Scian LD-568 (V1)	Omron IA2 (HEM-7011-C1) <span>(A)(C)(D)</span>
BIOS BD204 (Precision 4.0) <span>(D)</span>	Honsun Scian LD-582	Omron M1 (HEM-4030-E) <span>(D)</span>
Boots 46-61-486 (HEM-757-UK) <span>(D)</span>	Honsun Scian LD-586N	Omron M1 Classic (HEM-442C-E) <span>(D)</span>
Boots 56-90-404 (HEM-7041-BS) <span>(D)</span>	Honsun Scian LD-587	Omron M1 Compact (HEM-4022-E) <span>(D)</span>
Boots 56-90-420 (HEM-7115-BS) <span>(D)</span>	iHealth Neo BP5S	Omron M10-IT (HEM-7080IT-E) <span>(A)(P)(D)</span>
Boots 56-90-447 (HEM-7101) <span>(D)</span>	Keeler Big Ben Round <span>(D)</span>	Omron M2 (HEM-7119-E(V)) <span>(D)</span>
Boots 65-90-412 <span>(D)</span>	Keeler Big Ben Square <span>(D)</span>	Omron M2 (HEM-7121-E)
BpTru BPM-200 <span>(A)(C)(D)</span>	Keeler Classic <span>(D)</span>	Omron M2 Basic (HEM-7116-E2(V)) <span>(D)</span>
BpTru BPM-300 <span>(A)(C)(D)</span>	Keeler Palm	Omron M2 Basic (HEM-7116-E8(V)) <span>(D)</span>
Braun BP-4900 <span>(D)</span>	Keeler Windsor	Omron M2 Basic (HEM-7120-E)
Braun BP-5900 <span>(D)</span>	Kinetik BPM1K <span>(D)</span>	Omron M24/7 (ABPM-BP5) <span>(D)</span>
Braun ExactFit 1 (BUA-5000) <span>(A)(P)</span>	Kinetik BPM1KTL <span>(D)</span>	Omron M3 (HEM-7200-E8) <span>(D)</span>
Braun ExactFit 3 (BP-6000)	Lloyds LBP1 <span>(D)</span>	Omron M4-I (HEM-752-E) <span>(A)(C)(D)</span>
Braun ExactFit 3 (BP-6100)	Lloyds LBP1 <span>(D)</span>	Omron M6 (HEM-7211-E8) <span>(C)(D)</span>
Braun ExactFit 5 (BP-6200)	Maestro HL858JA	Omron M6 Comfort (HEM-7221-E8) <span>(P)(D)</span>
BTL Cardiopoint BTL-08 ABPM (V1)	Medel Check (92187) <span>(D)</span>	Omron M6 Comfort (HEM-7223-E) <span>(A)(P)(D)</span>
Cardioline Walk200b	Medel Elite (92125) <span>(D)</span>	Omron M6 Comfort (HEM-7321-E)
Citizen CH-452	Medel Idea (91913) <span>(D)</span>	Omron MIT Elite (HEM-7300-WE) <span>(D)</span>
Cresta BPM-610	Meditech ABPM-05	Omron MX2 Basic (HEM-742-E2) <span>(D)</span>

