



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 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

iHealth Feel BP5

Microlife BP A200 Comfort (BP 3MS1-4A)

Omron M3500 NIBP Module

Visomat Double Comfort (24050) (V1)

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

Andon KD-5851

Andon KD-5917

Andon KD-5965

AViTA BPM63S

BIOS BD215 (Precision 8.0)

Custo Med custo screen 400

iHealth BP3 (KD-931)

Omron BP760N (HEM-7320-Z)

Omron BP765 (HEM-7311-ZSA)

Omron HEM-7130 (JP)

Omron HEM-7251G

Omron HEM-7252G-HP

Omron HEM-7320F

Omron HEM-7500F

PangaO PG-800B11

PangaO PG-800B5-1

PangaO PG-800B68

Rossmax CF175f (V1)

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

Andon KD-595

Grandway MD2301

Grandway MD2680 (G.LAB)

iHealth Track (KN-550BT)

Microlife WatchBP Office (Twin200)

Microlife WatchBP Office ABI (Twin200 ABI)

Omron HEM-9210T (HEM-9210T-E)

★★ 2-Star Blood Pressure Monitors ★★

Andon KD-5031

Bpump BF1112

ERKA. Erkameter 125 PRO

Konsung QD-217A

Nissei DM-3000

Omron HBP-1300 (HBP-1300-E)

PAR Tonoport VI

Petr Telegin BpLab Standard

RisingSun RS-651

Transtek LS808-B

Transtek TMB-1491

★ 1-Star Blood Pressure Monitors ★

A&D TM-2430

A&D UA-1020

A&D UM-101

Accoson Greenlight 300 (AC0702A)

BpTru BPM-100

CasMed 9010

Datascope Accutorr Plus

Fukuda Denshi DS-7000

Hartmann Tensoval Comfort

Hartmann Tensoval Duo Control

Hartmann Tensoval Duo Control II

IEM Mobil-O-Graph NG

IEM Tel-O-Graph BT

IEM Tel-O-Graph GSM

Medisana MTP Plus (51043)

Microlife BP 3AS1-2 (BP 3AS1-2R)

Microlife BP 3BT0-A

Microlife BP A100 (Type A)



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★ 1-Star Blood Pressure Monitors ★ (Continued)

Microlife BP A100 Plus (BP 3MC1-1N)
 Microlife WatchBP Home (BP 3MX1-1)
 Microlife WatchBP O3 (BP 3MZ1-1)
 Nissei DS-400
 Omron 637IT (HEM-637IT-E)
 Omron 705IT (HEM-759-E)
 Omron HEM-705CP (V2)
 Omron HEM-706
 Omron HEM-907 (HEM-907-E7)
 Omron M3 (HEM-7200-E)
 Omron M3 Intellisense (HEM-7051-E)
 Omron M400 (HEM-7131-D)
 Omron M5-I (HEM-757-E)
 Omron M500 (HEM-7321-D)
 Omron M6 (HEM-7001-E)

Omron M6 (HEM-7211-E)
 Omron M6 (HEM-7420)
 Omron M6 Comfort (HEM-7221-E)
 Omron M7 (HEM-780-E)
 Omron MIT (HEM-751-E)
 Omron MX3 Plus (HEM-742-E)
 Panasonic EW-3106
 PolyGreen KP-7670
 Rossmax Medicare 100f
 Spacelabs 90207
 Spacelabs 90217
 Suntech Centron cBP 301
 Suntech Oscar 2
 Welch Allyn Tyco QuietTrak
 Withings BP-800

Other Validated Blood Pressure Monitors

A&D TM-2655
 A&D TM-2655P (V2)
 A&D TM-2656
 A&D UA-631
 A&D UA-704
 A&D UA-705
 A&D UA-767
 A&D UA-767 Plus
 A&D UA-774
 A&D UA-779
 A&D UA-787
 A&D UA-851
 A&D UA-852
 A&D UA-853
 A&D UA-854
 A&D UA-855
 Advanced Biosensor AM5600
 Andon KD-391
 Andon KD-5915 (V1)
 Artsana (Pic Solution) CS-410
 Artsana (Pic Solution) CSI-610
 Beurer BM 20
 Beurer BM 60
 Beurer DC 50
 Beurer DC 55
 BoSo Medicus Control
 BoSo Medicus Family
 BoSo Medicus Prestige
 BoSo Medicus Smart
 BoSo Medicus Uno

Braun Easy Click (BP-3000)
 Cardiette BP One
 Citizen CH-432B
 Citizen CH-461C
 Citizen CH-463E
 Colson MAM BP 3AA1-2
 Dinamap ProCare 100
 Ela Agilis
 EnviteC PhysioQuant ABPM (45-00-0500)
 Fukuda Denshi FM-800
 Hartmann Digital HG160 Comfort
 Heine Gamma G5
 Heine Gamma G7
 Heine Gamma XXL LF (Desk)
 Hillrom Spot Vital Signs (4200B)
 HoMedics BPA-300
 HoMedics BPA-540
 Honsun Scian LD-578
 IEM Stabil-O-Graph
 Kingyield BP-101H
 Lloyds BP11
 Medisana MTD
 Medisana MTX (51083)
 Meditech ABPM-04
 Microlife BP 3AC1-1
 Microlife WatchBP Office Central (Twin200 CBP)
 Nihon-Kohden Vismo PVM-2701
 Nissei DS-1902
 Omron Elite 7300W (HEM-7300-EZ)
 Omron HEM-1020



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Other Validated Blood Pressure Monitors (Continued)

Omron HEM-711	Pic Solution Professional Check
Omron HEM-711DLX	PMS Mandaus
Omron HEM-742	Riester Big Ben Square Desk
Omron HEM-907XL (HEM-907-Z2)	Rossmax Mandaus II (GA101, GA102, GA112)
Omron i-Q132 SpotArm (HEM-1010-E)	Rossmax ME701
Omron M1 (HEM-422C2-E)	Scala DB-61M
Omron M1 Plus (HEM-4011C-E)	Schiller BR-102 Plus (V1)
Omron M2 (HEM-7117-E)	Seinex SE-9400
Omron M2 Compact (HEM-7102-E)	SensaCare SAA-102
Omron M3 Basic II	Sorin Agilis
Omron M300 (HEM-7121-D)	Spengler Pro M
Omron M4 Plus II	Suntech 247
Omron M5 Professional (HEM-7001-D)	Tensiomed Tensioday
Omron M6 Comfort (HEM-7000-E)	Terumo Elemanno ES-H55
Omron MIT Elite Plus (HEM-7301-ITKE7)	Tiba Ambulo 2400
Oregon BPU 330	Transtek TMB-986
Panasonic EW-3109	Visomat Comfort 20-40 (24040) (V2)
Panasonic EW-3152W	Visomat Comfort Eco (V2)
Panasonic EW-BU15	Visomat Comfort Form (24035) (V1)
PAR Tonoport V	Visomat Comfort II
Pic Solution Comfort Check	Welch Allyn Connex ProBP 3400 with SureBP
Pic Solution My Check	Welch Allyn Maxi Stabil 3
Pic Solution Personal Check	Welch Allyn SureBP Algorithm (Unspecified Device)

Blood Pressure Monitors Validated in a Specific Population

A&D UA-778	Microlife BP 3AC1-1 PC
CasMed 740	Omron HEM-7080IC
Custo Med custo screen Pediatric	Omron M6 Comfort IT (HEM-7322U-E)
Dinamap ProCare 400	Raycome RBP-1200

Blood Pressure Monitors with an Internal or Non-Published Validation

Mindray Beneview T5	Riester Big Ben Square Rail
Mortara Ambulo 2400	Riester Big Ben Square Wall
Riester Big Ben Square Floor	

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

A&D UA-1010	Andon KD-557
A&D UA-1030T	Andon KD-558 (V1)
A&D UA-611	Andon KD-5901 (V1)
A&D UA-767BT	Andon KD-5902
A&D UA-767PC	Andon KD-5905
A&D UA-782	Andon KD-5909
Alvita CG-155F	Andon KD-5913
Alvita MA-801F	Andon KD-5918
Andon BM-091	Andon KD-5961
Andon KD-5001	Andon KD-5962
Andon KD-556	Andon KD-5963



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Blood Pressure Monitors with a possible MDR Equivalence to a Validated Device (Continued)

Andon KD-5971	Honsun Scian LD-532
Beurer BM 35/1	Honsun Scian LD-533
Beurer BM 47	Honsun Scian LD-568 (V1)
Beurer BM 58	Honsun Scian LD-582
Beurer BM 65	Honsun Scian LD-586N
BIOS BD204 (Precision 4.0)	Honsun Scian LD-587
Boots 46-61-486 (HEM-757-UK)	iHealth Neo BP5S
Boots 56-90-404 (HEM-7041-BS)	Keeler Big Ben Round
Boots 56-90-420 (HEM-7115-BS)	Keeler Big Ben Square
Boots 56-90-447 (HEM-7101)	Keeler Classic
Boots 65-90-412	Keeler Palm
BpTru BPM-200	Keeler Windsor
BpTru BPM-300	Kinetik BPM1K
Braun BP-4900	Kinetik BPM1KTL
Braun BP-5900	Lloyds LBP1
Braun ExactFit 1 (BUA5000)	Lloyds LBPK1
Braun ExactFit 3 (BP-6000)	Maestro HL858JA
Braun ExactFit 3 (BP-6100)	Medel Check (92187)
Braun ExactFit 5 (BP-6200)	Medel Elite (92125)
BTL Cardiopoint BTL-08 ABPM (V1)	Medel Idea (91913)
Cardioline Walk200b	Meditech ABPM-05
Citizen CH-452	Meditech card(X)plore
Cresta BPM610	Medset Scanlight-III
Cresta BPM701	Microlife As easy as 123 (BP 3BX0-A)
Datascope Accutorr V	Microlife BP 3AC1-2
Datascope iPM 12	Microlife BP 3AG1 (BP 3AQ1-2P)
Desa Pharma Tecnico Easy	Microlife BP 3BT0-A (2)
Dinamap Carescape V100	Microlife BP 3BT0-AP
Dinamap Procure 420	Microlife BP A1 Easy (BP 3GR1-1P)
Ergoline Ergoscan	Microlife BP A2 Basic (BP 3GQ1-3P)
GE Tonoport V	Microlife BP A200 (BP 3MS1-4K)
H&L Airssential AI-H971	Microlife BP A6 PC (aka A6 Plus, A6 Basic)
H&L HL888HC	Microlife Cradle VSA (BP 3GP1-1L)
Heine Gamma XXL LF (Rail)	Microlife WatchBP Home A (BP 3MX1-3)
Heine Gamma XXL LF (Stand)	Microlife WatchBP Home N (BP 3MX1-4)
Heine Gamma XXL LF (Wall)	Microlife WatchBP Office AFib (Twin200 AFS)
Hillrom ABPM 7100	Microlife WatchBP Office Target (BP 3MD1-4)
Hillrom ProBP 2400	Mindray iMEC-12
HoMedics BPA-2000-EU	Nissei DS-500
HoMedics BPA-3000-EU	Omron 705CP-II (HEM-759-E2)
HoMedics Mibody 360EU	Omron 708-BT (HEM-7081-ITE)
Honsun LD30	Omron BP760 (HEM-7220-Z)
Honsun Scian LD-520	Omron BP785 (HEM-7222-Z)
Honsun Scian LD-522	Omron HBP-1100 (HBP-1100-E)
Honsun Scian LD-526	Omron HEM Solar (HEM-4500-Sole)
Honsun Scian LD-528	Omron HEM-7051 (HEM-7051-SH)
Honsun Scian LD-530	Omron HEM-7101 (HEM-7101-SH)



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Blood Pressure Monitors with a possible MDR Equivalence to a Validated Device (Continued)

Omron HEM-7250-IT	Riester E-Mega (2-tube)
Omron HEM-780	Riester Minimus II
Omron i-C10 (HEM-7070-E)   	Riester Minimus III
Omron IA2 (HEM-7011-C1)   	Riester Precisa N shock-proof
Omron M1 (HEM-4030-E) 	Riester R1 Shock-Proof
Omron M1 Classic (HEM-442C-E) 	Riester ri-cardio
Omron M1 Compact (HEM-4022-E) 	Riester ri-champion N  
Omron M10-IT (HEM-7080IT-E)   	Riester ri-medice Desk
Omron M2 (HEM-7119-E(V)) 	Riester ri-medice Floor
Omron M2 (HEM-7121-E) 	Riester ri-medice Wall
Omron M2 Basic (HEM-7116-E2(V)) 	Riester ri-san
Omron M2 Basic (HEM-7116-E8(V)) 	Rossmax AB701 
Omron M2 Basic (HEM-7120-E) 	Rossmax AC1000f (V1) 
Omron M24/7 (ABPM-BP5) 	Rossmax AC701 
Omron M3 (HEM-7200-E8) 	Rossmax Accumed AF701 
Omron M4-I (HEM-752-E)   	Rossmax Accumed Carrdio C5 
Omron M6 (HEM-7211-E8)  	Rossmax AD701 
Omron M6 Comfort (HEM-7221-E8)  	Rossmax AE701 
Omron M6 Comfort (HEM-7223-E)   	Rossmax AJ701 
Omron M6 Comfort (HEM-7321-E) 	Rossmax AV151f 
Omron MIT Elite (HEM-7300-WE) 	Rossmax CF155f
Omron MX2 Basic (HEM-742-E2) 	Rossmax CH155f (V1) 
Omron Pro Logic PL100 (HEM-7101-PR) 	Rossmax MW701f (V2) 
Oregon Ssmart Talking (BPU321OS) 	Rossmax MW821f 
Oregon Tunstall BPU-329	Rossmax X1 (V1) 
Par Physio-Port	Rossmax X3 (V1) 
Pic Solution Classic Check 	Rossmax X5 (V1) 
Pic Solution Daily Check 	Rossmax X9
Pic Solution Digit Extra 	Salter BPA-8200-EU 
Pic Solution Digit Smart 	Salter BPA-9200-GB
Pic Solution Help Check 	Seagull S-868BA 
Pic Solution One Check 	Seagull S-888HA
Proton PHC-888EA	Spengler TB-101 
Proton PHC-888UP	Suresign LD3
Proton PHCP-868BF	Visomat Comfort 
Riester Big Ben Round Desk	Visomat Comfort E (24016) (V2) 
Riester Big Ben Round Floor	Walgreens WGNBPA-730 
Riester Big Ben Round Rail	Walgreens WGNBPA-740 
Riester Big Ben Round Wall	Walgreens WGNBPA-750 
Riester E-Mega (1-tube)	Welch Allyn ABPM 6100 

Blood Pressure Monitors with a Validation Fail

Colin BP-8800  

Blood Pressure Monitors without Evidence of Scientific Validation

Beurer BM 44	Honsun Scian LD-330 
Dinamap ProCare 220	K-jump KP-7500



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Blood Pressure Monitors without Evidence of Scientific Validation (Continued)

- Proton PHC-888JA

Rossmax AC701k

Rossmax AD761f

Rossmax AU941f (V2)
- Rossmax MJ701f (V1)

Rossmax MW701f (V3)

Walgreens WGNBPA-540B

Visit www.medaval.ie for more information

- The world's top registry

• Check if your device is validated

• Devices not proven to be validated
- Device Manuals

• Manufacturer Statistics

• Validation procedures
- Blood Glucose Meters

• Pulse Oximeters

• Connected Health Devices