



## Medaval rating of Blood Pressure Monitors recommended by the Japanese 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 where the cited paper refers to a different device and those without 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: Listed as Unavailable Listed Previously Discontinued

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

A&D UA-651

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

Omron HEM-7130 (JP)

Omron HEM-7251G

Omron HEM-7252G-HP

Omron HEM-7320F

Omron HEM-7500F

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

Omron Evolv (HEM-7600T-E)

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

A&D TM-2441

A&D UA-1100NFC

A&D UA-1200BLE

A&D UA-651 Plus (UA-656A-JCB1)

A&D UA-651SL Plus

A&D UM-211

A&D UM-212BLE

Nissei DM-3000

Omron HBP-1300 (HBP-1300-E)

Omron HBP-9031C

Omron HCR-1901T2/HCR-1902T2 (HEM-1026)

Omron HEM-1040

Omron HEM-7120

Omron HEM-7600T

Omron HEM-9200T

Omron HEM-9700T

### ★ 1-Star Blood Pressure Monitors ★

A&D TM-2430

A&D UA-1020

A&D UM-101

Fukuda Denshi DS-7000

Omron HEM-907 (HEM-907-E7)

### 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-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

A&D UB-511

A&D UB-512

Citizen CH-461C

Citizen CH-463E

Citizen CH-656C

Fukuda Denshi FM-800

Omron HEM-1020

Omron i-Q132 SpotArm (HEM-1010-E)

Terumo Elemanno ES-H55



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### Blood Pressure Monitors Validated in a Specific Population

Omron HEM-7080IC

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

Canon UDEX-i2

Dretec BM-200

Dretec BM-201

Dretec BM-202

Fukuda Denshi FBX-1000

Fukuda Denshi FORM-5

Fukuda Denshi SC-1800 (COL-SC-1800)

Nissei DS-R10J

Nissei DSK-1011

Nissei DSK-1031

Nissei DSK-1051

Nissei WSK-1021

Omron HEM-6200

Omron HEM-7114

Omron HEM-7200 (V1)

Omron HEM-7210

Panasonic EW-BU17

Panasonic EW-BU57

Terumo ES-H900D

Terumo ES-P2020DZ

Terumo ES-P2020ZZ

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

A&D TM-2433

A&D TM-2655VP

A&D TM-2656VPW

A&D TM-2657

A&D TM-2657P

A&D TM-2657VP

A&D TM-2657W

A&D TM-2657WP

A&D TM-2657WVP

A&D UA-1005 Plus (UA-1005C-JCB1)

A&D UA-1005MR (UA-1005C-JC61)

A&D UA-1010

A&D UA-1020B

A&D UA-1020E2

A&D UA-1020ECO

A&D UA-1020G

A&D UA-1020ND

A&D UA-1020P

A&D UA-1030T

A&D UA-1030T Plus (UA-1030TG-JCB1)

A&D UA-1030TMR (UA-1030TG-JC11)

A&D UA-611

A&D UA-611 Plus

A&D UA-631D

A&D UA-651BLE

A&D UA-651BLE Plus (UA-651LB-JC11)

A&D UA-651MR (UA-651A-JC11)

A&D UA-654 Plus (UA-654B-JCB1)

A&D UA-654MR (UA-654B-JC61)

A&D UA-655ECO

A&D UA-704 Plus

A&D UA-704CR

A&D UA-704ECO

A&D UA-766

A&D UA-767PC

A&D UA-767V

A&D UA-772K

A&D UA-772NFC

A&D UA-774J

A&D UA-786L

A&D UA-851PBT-C

A&D UB-510

A&D UB-511L

A&D UB-512H

A&D UM-102A

A&D UM-102B

Citizen CH-432

Citizen CH-452

Citizen CH-453F

Citizen CH-550

Citizen CH-551

Citizen CH-552

Citizen CHD701

Citizen CHU302

Citizen CHU501

Citizen CHU502

Citizen CHU703

Citizen CHUC515

Citizen CHUC558

Citizen CHUC615

Citizen CHUF311

Citizen CHUF312-MK



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

Citizen CHUG330	Omron HCR-1801
Citizen CHUG340	Omron HCR-7004
Citizen CHUG360	Omron HCR-7006
Citizen CHUG370	Omron HCR-7101
Citizen CHUR901  	Omron HCR-7106
Colin BP-608EV 	Omron HCR-7201
Colin BP-A308 	Omron HCR-7204T
Colin BP-A308D 	Omron HCR-7407
Colin HBP-2070 	Omron HCR-7409
Colin HBP-2071 	Omron HCR-7501T
Fukuda Denshi DS-7200 	Omron HCR-750AT 
Fukuda Denshi DS-8005	Omron HCR-7601T 
Fukuda Denshi DS-8007	Omron HCR-7608T2
Fukuda Denshi DS-8100 	Omron HCR-761AT2
Fukuda Denshi DS-8200 	Omron HCR-7711T2
Fukuda Denshi DS-8400	Omron HCR-7800T (HEM-7530T-J3)
Fukuda Denshi DS-8500	Omron HEM Solar (HEM-4500-Sole)  
Fukuda Denshi DSL-8001	Omron HEM-1000
Fukuda Denshi FCL-2000	Omron HEM-1010 
Fukuda Denshi FM-970	Omron HEM-1011 
Fukuda Denshi HBP-1600-MU3	Omron HEM-1012
Nihon-Kohden BSM-1700	Omron HEM-1021 
Nihon-Kohden BSM-3000	Omron HEM-1022 
Nihon-Kohden BSM-6000	Omron HEM-1025 
Nihon-Kohden Cardiolife EMS EMS-1052	Omron HEM-6022 
Nihon-Kohden CSM-1500	Omron HEM-6130 
Nihon-Kohden CSM-1700	Omron HEM-6210 
Nihon-Kohden CSM-1900	Omron HEM-6220-B 
Nihon-Kohden GZ-140P	Omron HEM-6220-PK 
Nihon-Kohden Life-Scope E7 (BSM-5700)	Omron HEM-6220-SL 
Nihon-Kohden PVM-2700	Omron HEM-6300F 
Nihon-Kohden PVM-9900	Omron HEM-6301 
Nihon-Kohden RMC-5000	Omron HEM-6310F 
Nihon-Kohden SVM-7000	Omron HEM-6311 
Nihon-Kohden TEC-1000	Omron HEM-6320T 
Nihon-Kohden TEC-5000	Omron HEM-6321T 
Nihon-Kohden TEC-8000	Omron HEM-6323T 
Nihon-Kohden Vismo PVM-4000	Omron HEM-6324T 
Nihon-Kohden ZM-540PG	Omron HEM-7080IT 
Nihon-Kohden ZM-940PG	Omron HEM-7121 
Nihon-Kohden ZS-640	Omron HEM-7122 
Nihon-Kohden ZS-940PG	Omron HEM-7126 (V1)
Omron HBP-1600 	Omron HEM-7130-HP
Omron HBP-9030	Omron HEM-7132 (V1) 
Omron HBP-T105S-N 	Omron HEM-7133 
Omron HCR-1602	Omron HEM-7270C 
Omron HCR-1702	Omron HEM-7271T 



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

Omron HEM-7280C ☞	Omron HEM-8713 (V1) ☞
Omron HEM-7281T	Omron HEM-8731 ☞
Omron HEM-7310 ☞	Omron M3 Comfort (HEM-7134) ☞
Omron HEM-7313 ☞	Panasonic EW-BU16 ☞D
Omron HEM-7324C ☞	Panasonic EW-BU36 ☞D
Omron HEM-7325T ☞	Panasonic EW-BU56 ☞D
Omron HEM-7510C ☞	Terumo Elemano ES-H55D
Omron HEM-7511T ☞	Terumo Elemano ES-H55DN
Omron HEM-759P ☞	Terumo Elemano2 ES-H56
Omron HEM-8712 (JP)	Terumo Elemano2 ES-H56D

### Blood Pressure Monitors without Evidence of Scientific Validation

Citizen CHUA516	Philips Avalon FM30 ☞
Citizen CHUA715	Philips Avalon FM40 ☞
Citizen CHUA716-BK	Philips Avalon FM50 ☞
Citizen CHUH 533	Philips Efficia DFM-100 ☞
Citizen CHUH 719	Philips Expression MR400 ☞
Citizen CHUH904C	Philips HeartStart MRx ☞
Elecom HCM-AS01BTWH	Philips HeartStart XL ☞
Elecom HCM-AS01WH	Philips IntelliVue MP2 (MN-865040) ☞
Fukuda Denshi BDS-1001	Philips IntelliVue MP20 (M8001A) ☞
Fukuda Denshi DS-1200	Philips IntelliVue MP5 (MN-865024) ☞
Nissei DS-A10	Philips IntelliVue MP90 (M8010A) ☞
Nissei DS-B10	Philips IntelliVue MX-400 ☞
Nissei DS-G10	Philips IntelliVue MX-800 ☞
Nissei DS-H10J	Philips IntelliVue X2 (M3002A) ☞
Nissei DS-N10	Terumo ES-P2000 ☞
Nissei DS-S10	Terumo ES-R800ST ☞
Nissei WSK-1011 ☞	Terumo ES-R800SZ ☞
Philips Avalon FM20 ☞	

#### Visit [www.medaval.ie](http://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