



The Rossmax X1 is a fully automatic upper-arm blood pressure monitor with Cuff Detection to confirm correct cuff placement before measurement, Movement Detection, IHB irregular heartbeat indicator, Hypertension Risk Indication and 120 memories for 2 users. Latex-free universal cone cuff fits 24-40cm arms. CE certified.

Accurate, Comfortable Measurement with Real Fuzzy Technology

The Rossmax X1 is a fully automatic upper-arm blood pressure monitor designed for reliable blood pressure monitoring at home and in clinical settings. Its defining technology, Real Fuzzy Technology, automatically determines the optimal cuff inflation pressure based on each individual's systolic blood pressure and arm size — without any pre-setting by the operator. This eliminates the discomfort caused by unnecessary over-inflation common in fixed-pressure monitors, and prevents measurement errors caused by incorrect inflation levels. The result is a more comfortable and more consistent measurement experience across a wide range of users and arm sizes. A single button press initiates the full measurement cycle, with the large 55 × 63mm LCD simultaneously displaying systolic pressure, diastolic pressure, and pulse rate in clear, large numerals.

Clinical Safety Features — Cuff Detection, Movement Detection, and IHB

The X1 incorporates three clinical safety features designed to improve the reliability of each reading.

Cuff Detection confirms whether the cuff has been correctly wrapped around the upper arm before and during measurement, flagging incorrect placement — one of the most common sources of inaccurate home blood pressure readings. Movement Detection monitors for body movement during measurement and alerts the user if movement is detected, prompting a repeat measurement where necessary. Irregular Heartbeat Detection (IHB) identifies pulse irregularities during measurement and flags these on the display, providing clinically relevant information that may warrant follow-up. A Hypertension Risk Indication feature presents the recorded reading against standard blood pressure classification ranges, giving users an immediate reference for their result.

Memory, Power, and Clinical Validation

The X1 stores up to 120 readings across two user profiles (60 per user), supporting ongoing monitoring and trend review for two individuals sharing a single device. The included latex-free universal cone cuff fits arm circumferences of 24–40cm; alternative cuff sizes from 18cm and up to 46cm are available upon request. The monitor operates on four AA batteries or via an AC adapter socket, and includes Rossmax's lifetime calibration service — ensuring long-term measurement accuracy throughout the product's service life. The X1 has been clinically validated to the European Society of Hypertension (ESH) protocol, meets AAMI/ANSI/ISO 81060-2 accuracy requirements, and is listed by the British and Irish Hypertension Society. CE certified. Available in South Africa from Vital Medical.

TECHNICAL SPECIFICATIONS TABLE

Specification	Detail
Brand	Rossmax
Model	X1
SKU	VM-BPMRMX1
Type	Fully automatic upper-arm blood pressure monitor
Technology	Real Fuzzy Technology
Display	Large LCD, 55 × 63mm
Parameters Measured	Systolic BP, Diastolic BP, Pulse Rate

Specification	Detail
Memory	120 readings (60 per user × 2 users)
Special Features	Cuff Detection, Movement Detection, IHB, Hypertension Risk Indication
Cuff Size (included)	24-40cm (latex-free universal cone cuff)
Optional Cuff Sizes	From 18cm / Up to 46cm (on request)
Power	4 × AA batteries / AC adapter socket
Calibration	Lifetime calibration service
Clinical Validation	ESH protocol, AAMI/ANSI/ISO 81060-2, BIHS listed
Certification	CE
Includes	Monitor, universal cone cuff, batteries, string bag, instruction manual

SKU: VM-BPMRMX1