



The Rossmax MW701F "XL" Deluxe Automatic Blood Pressure Monitor (VM-BPMRMMW701F) is an upper-arm oscillometric blood pressure monitor with Real Fuzzy Technology, Irregular Heartbeat Detection (IHB), 120 date- and time-stamped memories for two users, 7-day AM/PM averaging, and a 101 × 118mm XL LCD display. It includes a latex-free patented Universal Cone Cuff in XL size (34–46cm), cuff detection, movement detection, and guest mode. Validated to ESH standards, BHS A/A graded, and AAMI compliant, the MW701F includes lifetime calibration and a 5-year warranty.

Real Fuzzy Technology, IHB Detection, and Clinical Intelligence

The Rossmax MW701F "XL" Deluxe Automatic Blood Pressure Monitor (VM-BPMRMMW701F) uses Real Fuzzy Technology to intelligently determine the optimal cuff inflation pressure for each individual measurement, improving accuracy and patient comfort across varying arm sizes and cardiovascular profiles. Irregular Heartbeat Detection (IHB) identifies abnormal pulse patterns during measurement and flags them on the display, prompting the user to seek clinical review if irregularity persists. Cuff Detection confirms correct cuff positioning before inflation begins, and Movement Detection monitors for body movement during the reading — both functions reducing the risk of erroneous results in routine clinical or self-monitoring use. A hypertension risk indicator provides an immediate visual classification of the measured blood pressure against established WHO thresholds.

Display, Memory, and Averaging Functions

Results are presented on a large XL LCD measuring 101 × 118mm, providing clear digit readability across a wide range of viewing conditions. The MW701F stores 120 measurements split across two user profiles, each record stamped with date and time, supporting long-term serial monitoring for hypertension management and medication titration. A guest mode allows occasional measurements from additional users without overwriting either stored user profile. The automatic average of the last three readings is calculated and displayed after each session, and a 7-day AM/PM averaging function generates a morning and evening blood pressure profile over the preceding week — a clinically useful dataset for identifying white-coat effect and circadian blood pressure variation.

Cuff Design, Power, Warranty, and Clinical Validation

The MW701F includes Rossmax's latex-free patented Universal Cone Cuff in XL size, fitting arm circumferences of 34 to 46cm, designed to conform evenly to a range of arm shapes without the need for multiple interchangeable cuffs. The monitor includes an adapter socket for mains power operation; an adapter is available as an optional accessory. A lifetime calibration service ensures continued measurement accuracy throughout the product lifespan, backed by a 5-year manufacturer warranty. The MW701F is validated according to the European Society of Hypertension (ESH) protocol, has achieved the highest possible A/A grade under the British Hypertension Society (BHS)

criteria, and complies with the standards of the Association for the Advancement of Medical Instrumentation (AAMI). Available in South Africa from Vital Medical, the MW701F is suited to home hypertension monitoring, general practice, and structured chronic disease management programmes.

Technical Specifications

Specification	Value
Model	MW701f
VM SKU	VM-BPMRMMW701F
Brand	Rossmax
Measurement type	Upper-arm automatic (oscillometric)
Technology	Real Fuzzy Technology
IHB Detection	Yes
Movement Detection	Yes
Cuff Detection	Yes
Hypertension Risk Indication	Yes (WHO indicator)
Memory	120 measurements, 2-user (date and time stamped)
Guest Mode	Yes
Averaging	Last 3 readings; 7-day AM/PM average
Display	XL LCD, 101 × 118mm
Cuff type	Latex-free patented Universal Cone Cuff (XL, 34–46cm)
Power	Adapter socket (adapter optional); battery
Warranty	5 years
Calibration	Lifetime calibration service
Clinical validation	ESH validated; BHS A/A grade; AAMI compliant

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