



The Rossmax BQ705 "XL" Deluxe Automatic Wrist Blood Pressure Monitor (VM-BPMRMBQ705) is a compact wrist-type blood pressure monitor with Smart Sense Technology, Irregular Heartbeat Detection (IHB), movement detection, and 120 date- and time-stamped memories for two users with guest mode. A jumbo XL digit display and WHO hypertension risk indicator provide clear, immediate result classification, and the automatic average of the last three readings supports accurate home monitoring records. The BQ705 complies with the AAMI/ANSI/ISO 81060-2 accuracy standard and includes a carrying case, backed by a 5-year warranty with lifetime calibration.

Smart Sense Technology for Wrist Blood Pressure Accuracy

The Rossmax BQ705 "XL" Deluxe Automatic Wrist Blood Pressure Monitor (VM-BPMRMBQ705) uses Smart Sense Technology — an advanced electronic deflation control system in which a precision valve continuously adjusts cuff pressure release rate during each measurement. Rather than deflating at a fixed rate, the system detects and analyses pulse signals in real time, dynamically

modifying cuff pressure to ensure more accurate capture of systolic and diastolic endpoints. This is particularly relevant for wrist monitors, where precise pressure control is important in compensating for the positional sensitivity inherent to wrist-based measurement. Results are presented on a jumbo XL digit display for clear readability, alongside a WHO hypertension risk indicator that classifies each reading at a glance without requiring the user to consult external reference charts.

IHB Detection, Memory, Averaging, and Multi-User Design

Irregular Heartbeat Detection (IHB) flags any abnormal pulse pattern detected during the measurement cycle and alerts the user to readings that may require clinical review or repeat measurement. Movement Detection identifies body movement during measurement that could compromise reading accuracy. The BQ705 stores 120 measurements split across two named user profiles, each record stamped with date and time, supporting long-term blood pressure trend monitoring for two individuals from a single device without data overlap. A guest mode provides a clean session for occasional users without overwriting either stored profile. The automatic average of the last three readings is calculated and displayed after each session, consistent with international home blood pressure monitoring recommendations that favour averaged values for clinical record-keeping and decision support.

Accuracy Standard, Accessories, and Applications

The BQ705 complies with the AAMI/ANSI/ISO 81060-2 accuracy standard, confirming its suitability as a clinically accurate wrist blood pressure monitoring device. A lifetime calibration service is included to maintain measurement accuracy over the full product lifespan, supported by a 5-year manufacturer warranty. The monitor is supplied with batteries, a carrying case, and instruction manual; optional PC Link connectivity and BP Manager software are available for data export and trend reporting. Available in South Africa from Vital Medical, the BQ705 is suited to home blood pressure monitoring, travel use, and hypertension management programmes requiring a compact, dual-user wrist monitor with validated measurement accuracy.

Technical Specifications

Specification	Value
Model	BQ705
VM SKU	VM-BPMRMBQ705
Brand	Rossmax
Type	Automatic wrist blood pressure monitor
Technology	Smart Sense Technology
Display	Jumbo XL digit
IHB Detection	Yes
Movement Detection	Yes
Hypertension Risk Indication	Yes (WHO indicator)
Memory	120 measurements, 2-user (date and time stamped)
Guest Mode	Yes
Averaging	Last 3 readings
Power	Batteries (included)
Accessories	Batteries, carrying case, instruction manual
Optional accessories	PC Link; BP Manager software
Warranty	5 years
Calibration	Lifetime calibration service
Clinical accuracy standard	AAMI/ANSI/ISO 81060-2

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