



The Rossmax X5 uses PARR technology to detect ARR, AFib, Premature Contraction, Tachycardia and Bradycardia during routine blood pressure measurement. Features include 120 memories for 2 users with 7-day AM/PM averaging, Jumbo XL LCD, Guest Mode, cuff detection, movement detection and a latex-free universal cone cuff. ESH validated, AAMI compliant, lifetime calibration. Buy from Vital Medical SA.

PARR Technology: Cardiac Arrhythmia Detection During Blood Pressure Measurement

The Rossmax X5 is a 5th-generation automatic upper-arm blood pressure monitor built on Rossmax's PARR (Pulse Arrhythmia Recognition Rate) technology, which screens for five clinically significant cardiac rhythm abnormalities during every routine blood pressure measurement ? without additional equipment, additional patient interaction or prolonged measurement time. The five arrhythmia categories detected are Atrial Fibrillation (AFib), Premature Contraction (PC), Tachycardia (TACH), Bradycardia (BRAD) and general Arrhythmia (ARR). Atrial fibrillation is present in 10?20% of ischaemic stroke patients and significantly increases the risk of blood clot, stroke and heart failure; early detection during routine BP checks is a major clinical advantage. The X5 is validated by the European Society of Hypertension (ESH), graded A/A by the British and Irish Hypertension Society (BHS), and compliant with AAMI/ANSI/ISO 81060-2.

120 Memories, 7-Day AM/PM Averaging and Guest Mode

The X5 stores 120 measurements across two user profiles with full date and time stamps, enabling separate monitoring for two patients or clinicians from one device. The 7-day AM/PM averaging function calculates separate morning and evening averages over the preceding week ? a feature aligned with international hypertension monitoring guidelines that recognise circadian blood pressure variation as a clinically meaningful indicator. The average of the last three readings is also displayed for immediate clinical reference. Guest Mode allows a one-off measurement without overwriting stored user data, useful for practice nurses measuring a new patient without disrupting the stored data of existing patients.

Cuff Detection, XL Display and Lifetime Calibration

The Rossmax X5 includes cuff detection that alerts the user if the cuff is not correctly positioned before the measurement begins, reducing the incidence of clinically invalid readings. Movement detection flags measurements affected by patient motion. The Jumbo XL digit backlight LCD makes readings easy to read in all lighting conditions. The latex-free patented universal cone cuff fits arm circumferences from 24 to 40cm without requiring cuff size selection. A cuff holder is integrated into the device design. The X5 carries a lifetime calibration guarantee, meaning the unit can be returned for recalibration without a calibration fee, supporting long-term measurement accuracy in clinical environments. Vital Medical supplies the Rossmax X5 to South African healthcare providers.

Technical Specifications

Specification	Detail
Brand	Rossmax
Model	X5
Generation	5th Generation
Type	Automatic Upper Arm BP Monitor
Technology	PARR (Pulse Arrhythmia Recognition Rate)
Arrhythmia Detection	ARR, AFib, Premature Contraction, TACH, BRAD
Memory	120 readings for 2 users with date & time
7-Day AM/PM Averaging	Yes
Average of Last 3 Readings	Yes
Guest Mode	Yes
Cuff Detection	Yes
Movement Detection	Yes
Hypertension Risk Indication	Yes
Display	Jumbo XL digit, backlight LCD
Cuff	Latex-free universal cone cuff, 24?40cm
Cuff Holder	Yes (integrated)
Calibration	Lifetime calibration
Certifications	CE, ESH validated, BHS A/A, AAMI/ANSI/ISO 81060-2

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